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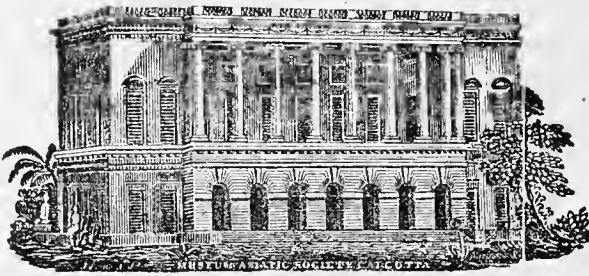
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SUPPLEMENT, No. 1.

EDITED BY

J. WOOD-MASON, ESQ.

VICE-PRESIDENT.



“The bounds of its investigation will be the geographical limits of Asia : and within these limits its inquiries will be extended to whatever is performed by man or produced by nature.”—SIR WILLIAM JONES.

*** Communications should be sent under cover to the Secretaries, Asiat. Soc., to whom all orders for the work are to be addressed in India ; or, in London, care of Messrs. Trübner and Co., 57 & 59, Ludgate Hill.*

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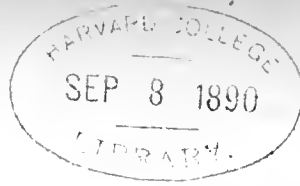
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JOURNAL

OF THE

ASIATIC SOCIETY OF BENGAL.

Part II.—NATURAL SCIENCE.

SUPPLEMENT.

No. I.—1889.

I.—*Catalogue of the Insecta of the Oriental Region. No. 1. Order Coleoptera, Family Cicindelidæ.*—By E. T. ATKINSON, B. A.

The nucleus of the biological collections of the Indian Museum was formed from the old collections of the Asiatic Society, and, of late years, considerable attention has been devoted to the subject of rendering these collections more accessible to the public, and more useful in advancing the cause of biological research in India. It has been found that the first steps to be taken in these directions are the formation of correctly named collections, and the publication of catalogues, not only of the specimens actually in the Museum, but of the Oriental Region as a whole. Some progress has been made in this direction, our collections of insects are gradually being sent to specialists in Europe for identification, the catalogues of the Vertebrata are provided for, and we have already a catalogue of the Mollusca, and of the species of the various families of the animal kingdom found by Dr. Anderson in Mergui.

Amongst the Insecta, Mr. de Nicéville is bringing to completion his work on the Rhopalocerous section of the Lepidoptera, and Col. Swinhoe with Mr. Cotes, the catalogue of the Heterocerous section.

Both these works are confined to the insects of India, Burma, and Ceylon, and a supplement will have to be added to complete them for the Oriental Region. I have finished the Homopterous section of the Rhynchota, and the Hemipterous portion is passing through the press. This, too, deals with the Indian region only, and will have to be added to, by giving a list of the species found elsewhere in the Oriental Region. Mr. Wood-Mason has also, in the press a valuable catalogue of the *Mantodea*. By the 'Oriental Region' is understood the tract defined by Wallace* under that name, but for various reasons I have made the course of the river Yangtse, the northern boundary in China. I exclude the Chinese Provinces of Honan and Shantung,† all Chinese Turkistán, and the Alai range,‡ Persia and Afghánistán. On the south, a line is drawn to the south of Mindanao, along the southern coast of Borneo to Java, where Bali alone is included. Celebes, Lombok, and all the islands to the south are excluded. The Asiatic Society has been good enough to support this scheme for the cataloguing of our collections, or rather what they ought to contain, and I trust that we may be able to enlist workers to complete this necessary equipment of all real entomological work in India. When the collections of our Indian Museum are correctly named, it will be possible, with the aid of these catalogues, to give substantial assistance to all interested in the investigation of our rich Fauna, and when it is considered that only the surface of the Insect Fauna of India has been examined, it may safely be said that much that is new remains for workers in this field. I think that I am authorised to say that every facility will be afforded to students and collectors by the staff of our Indian Museum for naming their collections, and that it rests with voluntary workers to make our collection what it ought to be, the first in the world in species connected with the Oriental Region. The species identified, and in the Indian Museum, are shown in angular brackets, with the precise locality. The locality (*Hab.*) first given is the one generally quoted and given in the books referred to. References to manuscript and mere catalogue names have been omitted. In verifying the references, I have been able to correct some errors of omission and commission, and to give the actual dates for nearly every description of a species, and for every genus quoted, a matter in which previous catalogues have not always been careful, and one which I consider to be essential for the full study of a group.

* Geographical Distribution of Animals, i, 1876, p. 314.

† A few from Kiangsi are noticed as there is reason to believe that they occur further south.

‡ A few from the Pámir, from Stoliczka's collection, are noticed, though not belonging to the Oriental Region, the types being in the Indian Museum.

Family **CICINDELIDÆ.**

Latreille, Gen. Crust. et Ins., i, 1806, p. 172: Leach, Edinb. Enc., ix (i), 1815, p. 57: Lacordaire, Gen. Col., i, 1854, p. 1: Schaum, Naturg. Dentsch. Ins., i (i), 1856: Chand., Bull. Mosc., xxxiii (4), 1860, p. 269, 303: Ann. Soc. Ent. Belg., xiii, 1870, p. 139: Leconte, Class. Col. in Smithsonian Misc. Coll., 1861-2.

The chief abbreviations used in the references to this family are:—

Brullé, Arch. Mus.—'Archives du Muséum d'Histoire Naturelle,' Paris, 1839.

Chaud. Bull. Mosc.—Papers by Baron M. de Chaudoir in the 'Bulletin de la Société Impériale des Naturalistes de Moscou.'

Chaud. Mon.—Monograph of the genus '*Collyris*' in Annales de la Société entomologique de France, (4 ser.), iv, 1864, pp. 483-536.

Dej. Spec.—'Species general des Coléoptères de la collection de M. le Comte Dejean.' 6 Vols. Paris, 1825-38.

Fabr.—Systema Eleutheratorum of J. C. Fabricius, 2 Vols., 1801.

Guérin—Magazin de Zoologie by Guérin 1831-38; Magazin de Zoologie, d'anatomie comparée &c., 1839-48: and Revue et Magazin de Zoologie pure et appliquée (2 ser.) 1849-72: (3 ser.) 1873-76.

Herbst.—'Natursystem allerbekannten in- und aus-landischen Insekten.' Käfer pt 9 (1801), pt 10 (1806).

Mun. Cat.—'Catalogus Coleopterorum' by Dr. Gemminger and B. de Harold: 12 Vols. Munich 1868-76, the basis of this and all other catalogues of the Coleoptera.

Oliv. Ent.—'Entomologie ou Histoire Naturelle des Insectes.' 4 Vols, Paris, 1789-92. (Vol. ii, 1790).

Schmidt-Göebel.—'Famille Coleopterorum Birmanica', 1846.

Wied.—Zoologisches Magazin, 2 vols, 1817-23.

Genus **CICINDELA.**

Linn., Syst. Nat., ii, 1735, p. 657: Lacordaire, Gen. Col., i, p. 17: Schann, Berlin. Ent. Zeits., v, 1861 p. 68; vi, 1862 p. 122; Journ. Ent., ii (1863), 1866, p. 57: Mun. Cat., p. 8: Dokhtouff, Rev. Mens. d'Ent., i, 1883, p. 66.

Abroscelis, Hope, Col. Man., ii, 1838, p. 19, 28.

Aenictomorpha, Chaudoir, Bull. Mosc., xxiii (1), 1850, p. 11.

Antennaria, Dokhtouff, Rev. Mens. d'Ent., i, 1883, p. 68.

Calochroa, Hope, Col. Man., ii, 1838, p. 19.

Calochroma, Motsch., Et. Ent., 1862, p. 22.

Calomera, Motsch., l. c. p. 22.

Calostola, Motsch., l. c. p. 22.

Catoptria, Guérin, Rev. Mag. Zool., (2 s.), i, 1849, p. 146.

Cephalota, Dokhtouff, Rev. Mens. d'Ent., i, 1883, p. 70.

Cheilonycha, Lacordaire, Mém. Soc. Roy. Liège, 1842, p. 107.

Cicindosa, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 173.

Cratochaerea, Chaudoir, Bull. Mosc., xxiii (1), 1850, p. 13.

Cylindera, Westwood, Jardine Mag. Zool. Bot., i, 1837, p. 251; Mod. Class. Ins., i, p. 54.

Ellipsiptera, Dokhtouff, Rev. Mens. d'Ent., i, 1883, p. 70.

Eulampra, Chaudoir, Bull. Mosc., xxi (1), 1848, p. 10.

Eumecurus, Motsch., Käfer Russlands, 1850, t. 5: Et. Ent., 1862, p. 22.

- Euryarthron*, Guérin, Rev. Mag. Zool., (2 s.), 1849, p. 81.
Euryoda, Lacordaire, Mém. Soc. Roy. Liège, 1842, p. 108.
Habrocelis, Dokhtouroff, Rev. Mens. d' Ent., i, 1883, p. 69.
Habrodera, Motsch., Et. Ent., 1862, p. 22.
Habroscelimorpha, Dokhtouroff, Rev. Mens. d' Ent., i, 1883, p. 69.
Habrotarsa, Motsch., Et. Ent., 1862, p. 22.
Heptadonta, Hope, Col. Man., ii, 1838, p. 25.
Hypaetha, Leconte, Trans. Amer. Phil. Soc., xi, p. 28.
Laphyra, Dupont, Dej. Cat., (3ed.), 1837, p. 67.
Myriochile, Motsch., Et. Ent., 1862, p. 22.
Parmecus, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 172.
Prepusa, Chaudoir, Bull. Mosc., xxiii (1), 1850, p. 15.
Prodotes, Thomson, Ann. Soc. Ent. Fr. (3 s.) iv, 1856 p. 332.
Prothyma, Hope, Col. Man., ii, 1838, p. 27.
Rhopaloteles, Guérin, undescr. ?
Thopeutica, Chaudoir, undescr. ?
albina, Wied., Zool. Mag., i (3), 1819, p. 169, No. 17.
albida, Dejean, Spec., i, 1825, p. 125.
 Hab. Bengal. [*Ind. Mus.* ? Berhampur].
albopunctata, Chaudoir, Bull. Mosc., xxv (i), 1852, p. 10.
 Hab. N. India [*Ind. Mus.*, Simla].
amurensis, Morawitz, Bull. Acad. Imp. St. Petersb., v, 1862, p. 238 ; Bates, Trans. Ent. S. Lond., 1873, p. 227 : 1883, p. 215.
 ? *Elisæ*, Motsch., Bull. Mosc., xxxii (2), 1859, p. 487.
 Hab. Yangtse Valley in China, Japan, Manchuria Ussuri.
analis, Fabr., Syst. Eleuth., i, 1801, p. 236 ; Lap. de Casteln., Hist. Nat. i, p. 20 :
 Chaud. Bull. Mosc., xxv (i), 1852, p. 11.
 Hab. Java, Sumatra, Borneo, [*Ind. Mus.*, Java].
anchoralis, Chevrolat, Rev. Zool., 1845, p. 97.
punctatissima, Schaum, Journ. Ent., ii (1863), 1866, p. 58.
 Hab. Macao, Amoy. [*Ind. Mus.*, China].
angulata, Fabr., Ent. Syst. Suppl., 1798, p. 62 : Herbst, Natursyst. Ins., Käfer, pt. x, p. 176, t. 171, f. 11 : Schmidt Goebel, Faun. Col. Birm., p. 4, t. 1, f. 8.
 ? *latipennis*, Parry, Trans. Ent. S. Lond., iv, 1845, p. 84.
 Hab. India, Tranquebar, Khasiya Hills [*Ind. Mus.*, Pegu, Sitang valley, Khasiya Hills, Sikkim, Malda, Berhampur, W. Bengal, Calcutta].
araneipes, Schaum, Journ. Ent. ii, (1863), 1866, p. 57.
 Hab. Borneo.
Armandi, Fairmaire, Ann. Soc. Ent. Fr., (6 s.) vi, 1886, p. 304.
 Hab. Yunnan.
assamensis, Parry, Trans. Ent. S. Lond., iv, 1845, p. 84 ; *id.*, v, p. 80, t. 11, f. 1.
 Hab. Assam [*Ind. Mus.*, Assam, Naga Hills, Sikkim].
atelesta, Chaudoir, Bull. Mosc., xxvii (i), 1854, p. 115.
imperfecta, Chaud., l. c., xxv (i), 1852, p. 8.
 Hab. N. India, Simla.

- aurofasciata*, Dejean, Spec. v, 1831, p. 224.
Hab. India, Coromandel.
- aurulenta*, Fabr. Syst. Elenth., i, 1801, p. 239; Dejean, Spec., i, p. 46.
Duponti, Dejean, Spec. ii, 1826, p. 419.
flavomaculata, Chevrol., Rev. Zool., 1845, p. 95.
Hab. Java, Sumatra, Cochinchina, China [*Ind. Mus.*, Hongkong, Singapur, Sibságar, Nága Hills, Nepál, Sikkim, Malda].
- azureocincta*, Bates, Cist. Ent., ii, 1878, p. 333.
Hab. Bombay.
- balucha*, Bates, l. c., p. 332.
Hab. Balúchistán.
- Beccarii*, R. Gestro, Ann. Mns. Civ. Gen., xv, 1880, p. 49.
Hab. Sumatra.
- bicolor*, Fabr., Spec. Ins., i, 1781, p. 283: Oliv., Ent., ii, 33, p. 11, t. 2, f. 14: Dej. Spec. i, p. 43.
Hab. India [*Ind. Mus.*, Malda].
- bigemina*, Klug, Jahrb. Ins., i, 1834, p. 30.
tremula, Brullé, Aroh. Mns., i, 1839, p. 135, t. 9, f. 3.
Hab. India [*Ind. Mus.*, Malda, Pankabári].
- biramosa*, Fabr., Spec. Ins., i, 1781, p. 286: Oliv., Ent., ii, 33, p. 26, t. 2, f. 16 a-b; t. 3, f. 29: Dejean, Spec., i, p. 133.
tridentata, Thnnberg, Nov. Ins. Spec., 1781, p. 26, f. 40.
Hab. India, Colombo (Bates) [*Ind. Mus.*, S. India, Travancore, Madras, Kánara, Andaman Islands, Arakan, Chittagong, Snndarbans].
- borneana*, Dokhtonroff, Rev. Mens. d' Ent., 1883, p. 40.
Hab. Borneo.
- bramani*, Dokhtouroff, l. c., 1882, p. 262.
Hab. Cochinchina.
- calligramma*, Schannm, Berlin. Ent. Zeits., 1861, p. 69, t. 1 B, f. 1.
Hab. between Pondicherry and Tranquebar.
- cancellata*, Dejean, Spec., i, 1825, p. 123: Schmidt Goebel, Faun. Col. Birm., p. 5, t. 1, f. 4.
Hab. Burma, Java.
- Candei*, Chevrolat, Rev. Zool., 1845, p. 96.
Hab. Maoao, Hongkong.
- catena*, Fabr., Syst. Ent., 1775, p. 226: Oliv., Ent., ii, 33, p. 20, t. 1, f. 12: Herbst, Natursyst. Ins., Käfer, pt. x. p. 170, t. 171, f. 5.
? *capensis*, Herbst, Arch., p. 115, t. 27, f. 14.
Hab. India, Colombo (Bates) [*Ind. Mus.*, Berhampur].
- cathaica*, Bates, Ent. Mon. Mag., x, 1874, p. 265.
Hab. Hongkong.
- chinensis*, Degeer, Ins. iv, 1774, t. 17, f. 23: Fabr., Ent. Syst., i, p. 173: Oliv., Ent., ii, 33, p. 9, t. 2, f. 20; t. 3, f. 30: Dejean, Spec., i, p. 44.

- japonica*, Thunberg, Nov. Ins. Spec., i, 1781, p. 25, t. 1, f. 39.
Hab. China, Hongkong to Yang-tse, Japan.
- chloris*, Hope, Gray Zool. Miso., 1831, p. 21.
assimilis, Hope, l. c., p. 21.
himalayica, Redten., Hügel Kasch., iv (ii), 1848, p. 497, t. 23, f. 1.
Hab. Nepál, Kashmir [*Ind. Mus.*, Yunnan, Tenasserim, Pegu, Sibságar, Sikkim].
- ohlorochila*, Chaudoir, Bnll. Moso., xxv (i), 1852, p. 25.
Hab. China, Hongkong.
- chloropleura*, Chaudoir, Cat. Coll., 1865, p. 59.
Hab. N. India.
- cinctella*, Chevrolat, Le Natur., ii, 1880, p. 93.
Hab. Andaman Islands.
- clara*, Schaum, Berlin. Ent. Zeits., 1860, p. 181, t. 3, f. 3.
var. *suavissima*, Schaum, l. c., 1862, p. 176.
Hab. Philippines, Luzon.
- oognata*, Wied., Zool. Mag., ii (i), 1823, p. 66.
? *grammophora*, Chaudoir, Bnll. Mosc., xxv (i), 1852, p. 7; see Schaum,
Journ. Ent. ii, p. 63.
Hab. N. India, Bengal, Madras.
- conicollis*, Schaum, Berlin. Ent. Zeits., 1862, p. 175 ♂; Journ. Ent., ii, 1866, p. 66
Hab. Philippines, Luzon.
- conspicua*, Schaum, l. c. *supra*, p. 177.
Hab. Philippines.
- copulata*, Schmidt Goebel, Faun. Col. Birm., 1846, p. 9.
Hab. Calcutta (Kasipur).
- corticata*, Pntzeys, C. R. Soc. Ent. Belg., xviii, 1875, p. lxix.
Hab. Ceylon.
- Crespignii*, Bates, Ent. Mon. Mag., viii, 1871, p. 379.
Hab. N. Borneo.
- cyanea*, Fabr., Mant. Ins., i, 1787, p. 185.
Hab. India.
- decempunctata*, Dejean, Spec., i, 1825, p. 145.
Hab. India.
- Dejeanii*, Hope, Gray Zool. Misc., 1831, p. 21.
Hab. Nepál.
- Delevayi*, Fairmaire, Ann. Soc. Ent. Fr., (6 s.), vi, 1886, p. 303.
Hab. Yunnan.
- despecta*, Fleutiaux, C. R. Soc. Ent. Belg., 1886, p. xxxviii.
Hab. N. India.
- didyma*, Dejean, Spec., i, 1825, p. 48.
Hab. Java.

discrepans, Walker, Ann. Mag. N. H., (3 s.), ii., 1858, p. 202.

lacrymans, Schaum, Journ. Ent., ii, (1863), 1866, p. 57.

Hab. Ceylon.

distinguenda, Dejean, Spec., i, 1825, p. 92.

Dohrnii, Motsch., Et. Ent., vi, 1857, p. 109.

Hab. India.

ditissima, Bates, Ent. Mon. Mag. ix, 1872, p. 49.

Hab. Hongkong.

dives, Gory, Mag. Zool., 1833, ol. ix, t. 97.

Hab. Deccan.

dolens, Fleutiaux, Bull. Soc. Ent. Fr., (6 s.) vi, 1886, p. oxi.

Hab. Bombay.

dromicoides, Chaudoir, Bull. Mosc., xxv (i), 1852, p. 21.

Hab. Nepál, N. India.

elaphroides, Dokhtouroff, Rev. Mens. d' Ent., i, 1882, p. 276.

Hab. Philippines, Manilla.

elegantula, Dokhtouroff, l. c., p. 261.

Hab. Cochinchina.

erudita, Wied., Zool. Mag., ii (i), 1823, p. 68.

amabilis, Dejean, Spec., v, 1831, p. 228.

triramosa, Kollar, Ann. Wien Mus., i, 1836, p. 330, *test.* Schaum, Journ. Ent., ii, p. 63.

chloropus, Brullé, Arch. Mus., i, 1839, p. 134, t. 9, f. 2.

Hab. Java, Bengal [*Ind. Mus.*, S. India].

Eugenia, Chaudoir, Cat. Coll., 1865, p. 56.

Hab. Cochinchina.

excisa, Schaum, Berlin. Ent. Zeits., 1862, p. 178, ♀.

Hab. Philippines, Luzon.

eximia, Vanderlinden, Ess. Ins. Java, 1821, p. 14: Schaum, Berlin. Ent. Zeits., 1861, p. 71.

Var. *Diana*, Thomson, Arc. Nat., 1859, p. 90.

„ *Latonia*, Schaum, Berlin. Ent. Zeits., 1861, p. 71, t. 1B., f. 5.

Hab. Java, Celebes.

exornata, Schmidt Goebel, Faun. Col. Birm., 1846, p. 1, t. 1, f. 7.

Hab. Burma.

fastidiosa, Dejean, Spec., i, 1825, p. 95.

litigiosa, Dejean, l. c., p. 97.

Hab. India.

Fauveli, Dokhtouroff, Rev. Mens. d' Ent., i, 1882, p. 275.

Hab. Malacca.

filigera, Bates, Cist. Ent., ii, 1878, p. 332.

Hab. Borneo.

- flammulata*, Quedenf., Berlin. Ent. Zeits. xxvii, 1883, p. 241.
Hab. Malacca.
- flavolineata*, Chandoir, Cat. Coll., 1865, p. 60.
Hab. Laos.
- flavomaculata*, Hope, Gray Zool. Misc., 1831, p. 21.
Hab. Nepál.
- flavovittata*, Chandoir, Cat. Coll., 1865, p. 61.
Hab. India, Coromandel.
- fugax*, Schanm., Berlin. Ent. Zeits., 1862, p. 177, ♀.
Hab. Philippines, Luzon.
- fuliginosa*, Dejean, Spec., ii, 1826, p. 415 : Schmidt Goebel, Faun. Col. Birm., p. 5, t. 1, f. 6, ♂.
Hab. Cochinchina, Burma [*Ind. Mus.*, Borneo, Pegu].
- funebria*, Schmidt Goebel, Faun. Col. Birm., 1846, p. 8.
Hab. Burma.
- funerea*, Mac Leay, Annual. Javan, (ed. Lequien), 1833, p. 107 : Schaum, Journ. Ent., ii, p. 62.
marginipunctata, Dejean, Spec., ii, 1826, p. 428.
multinotata, Schaum, Berlin. Ent. Zeits., 1861, p. 72.
var. *opigrapha*, Dejean, Spec., v, 1831, p. 247.
Hab. Burma, Cochinchina, Java, Celebes [*Ind. Mus.*, Java].
- funesta*, Fabr. Syst. Eleuth., i, 1801, p. 243 : Dejean, Spec., i, p. 148 : Lap. de Casteln.
Hist. Nat. Ins., iv, p. 20.
obscura, Fabr. Ent. Syst. Scoppl. 1793, p. 62.
Hab. India.
- goryi*, Chandoir, Bull. Mosc., xxv (i), 1852, p. 3.
lepida, Gory, Mag. Zool., 1833, cl. ix, t. 96.
? = *princeps*, Vigers, q. v.
Hab. India, Deccan [*Ind. Mus.*, Nilgiris, Bangalore].
- grammophora*, Chandoir, Bull. Mosc., xxv (i), 1852, p. 7.
? = *cognata*, Wied., q. v.
Hab. N. India.
- guttata*, Wied., Zool. Mag. ii (i), 1823, p. 63.
Hab. Bengal.
- guttula*, Fabr., Syst. Eleuth., i, 1801, p. 244 : Gnérin, Mag. Zool., 1835, cl. ix, t. 131.
Hab. ? Indian Archipelago, Oceania.
- gyllenhali*, Dejean, Spec. i, 1825, p. 143 : Schaum, Journ. Ent., ii, p. 62.
Hab. India.
- haemorrhoidalis*, Wied., Zool. Mag. ii (i), 1823, p. 63.
flavopunctata, Audouin, Mag. Zool., 1833, cl. ix, t. 18.
quadrinotata, Sturm, Cat., 1826, p. 55, t. 1, f. 1.
Hab. Bengal [*Ind. Mus.*, Sibságar, Calcutta].

- Heiferi*, Schaum, Journ. Ent., ii (1863), 1866, p. 69.
limbata, Schmidt Goebel (*nec* Wied.), Faun. Col. Birm., 1846, p. 7, ♀.
- hybrida*, Linn., Syst. Nat. i, ii, p. 657: Dejean, Spec., i, p. 64, 67, 69; Ic. ii, p. 19, t. 2, f. 6: for full syn. see Mun. Cat., p. 18.
 var. *palpalis*, Dokhtoureff, Hor. Ent. Soc. Ross., xxii, 1887, p. 139.
 Hab. China.
- Hopei*, Parry, Trans. Ent. S. Lond., iv, 1845, p. 84.
variipes (*Aenictomorpha*), Chandoir, Bull. Mosc., xxiii (i), 1850, p. 11.
 Hab. Assam, N. India.
- intermedia*, Chandoir, Bull. Mosc., xxv (i), 1852, p. 6.
 Hab. India [*Ind. Mus.* Jholam valley].
- interruptofasciata*, Schmidt Goebel, Faun. Col. Birm., 1846, p. 2, t. 1, f. 1, ♂.
 Hab. Burma, [*Ind. Mus.*, Pegu].
- kaleea*, Bates, Proc. Zool. S. Lond., 1866, p. 340: *id.*, Trans. Ent. S. Lond., 1873, p. 32-3.
 Hab. Formosa, Fuchow, Shanghai, [*Ind. Mus.*, China].
- lacrymosa*, Dejean, Spec., i, 1825, p. 106.
insularis, Blanchard, Voy. Pole Sud. iv, 1853, p. 3, t. 1, f. 1; Schaum, Berlin. Ent. Zeits., 1850, p. 203.
 Hab. Philippines, Luzon.
- lacunosa*, Putzeys, C. R. Soc. Ent. Belg., xviii, 1875, p. lxviii.
 Hab. Ceylon.
- leucoloma*, Chandoir, Bull. Mosc., xxv (i), 1852, p. 12.
 Hab. Simla.
- limbata*, Wied., Zool. Mag., ii (i), 1823, p. 65.
tetraspilota (*Euryoda*), Chandoir, Bull. Mosc., xxv (i), 1852, p. 29.
 Hab. Bengal [*Ind. Mus.*, Jhelam valley].
- limosa*, Saunders, Trans. Ent. S. Lond., i, 1834, p. 64, t. 7, f. 6: Schmidt Goebel, Faun. Col. Birm., p. 7: Schaum, Journ. Ent., ii, p. 62.
 Hab. Diamond Harbour (River Hughli), Sibpur.
- lineifrons*, Chandoir, Cat. Coll., 1865, p. 62.
 Hab. Cambodia.
- longipes*, Fabr., Ent. Syst. Supp., 1798, p. 61: Herbst, Natursyst. Ins., Käfer, pt. x, p. 172, t. 171, f. 7: Lap. de Casteln., Hist. Nat. Ins., i, p. 19.
 Hab. India, Tranquebar, Java.
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Hab. N. India.

andamana, Bates, Cist. Ent., ii, 1878, p. 335.

Hab. Andaman Islands. [*Ind. Mus.*, Andaman, Islands].

apicalis, Chaudoir, Rev. Zool., (2 s.), xvi, 1864, p. 105 ; *id.*, *Mon.*, p. 517.

Hab. Malacca.

Arnoldi, MacLeay, Annul. Javan., 1825, p. 10 : Chaud., *Mon.*, p. 528, t. 9, f. 20.

elegans, Vander Lindon, Ess. Ins. Java, 1821, p. 23 : Lap. do Casteln., Hist.

Nat. Ins., i, p. 25.

Hab. Java.

attenuata, Redtenb., Hügel Kaschm., iv (2), 1844, p. 498 : Chaud., *Mon.*, p. 523

t. 9, f. 19, 19a.

Hab. Kashmir, Simla. [*Ind. Mus.*, Sikkim].

Bonelli Gnérin, Voy. Belanger, Ins., 1834, p. 48, t. 2, f. 1 : Lap. do Casteln., Hist.

Nat. Ins., i, t. 2, f. 7 : Chaud., *Mon.*, p. 503, t. 7, f. 7.

Var. *obscura*, Lap. do Casteln., Et. Ent., 1834, p. 40, t. 1, f. 2.

„? *ruficornis*, Brullé, Arch. Mus., i, 1839, p. 139.

Hab. Java. [*Ind. Mus.*, Dhansiri valley].

- caviceps, Klug, Jahrb. Ins., 1834, p. 35: Chaud., *Mon.*, p. 491.
longicollis, Herbst, Natursyst. Ins., Käfer, pt. x, 1806, p. 215, t. 173, f. 9
 (nec Fabr.).
 Hab. India, Mysore [*Ind. Mns.*, Sikkim].
- ceylonica, Chaudoir, *Mon.*, p. 529.
 Hab. Ceylon, Bogawantalawa (Bates).
- chloroptera, Chaudoir, Bull. Mosc., xxxiii (4), 1860, p. 294; *id.*, *Mon.*, p. 522.
 Hab. Singapur, Sumatra.
- conicollis, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 176.
 Hab. India.
- crassicollis, Chaudoir, *Mon.*, p. 497, ♀.
 Hab. India.
- crassicornis, Dejean, Spec., 1825, p. 166: Chaud., Bull. Mosc., xxxiii (i), 1860
 p. 297: *id.*, *Mon.*, p. 494, t. 7, f. 2.
Diardi, Mac Leay, Annul. Javan., 1825, p. 10.
MacLeayi, Brullé, Silb. Rev., ii, 1834, p. 101.
pleuritica, Schmidt Goebel, Faun. Col. Birm., 1846, p. 13, ♂.
 Var. *gibbicollis*, Motsch., Et. Ent., 1857, p. 110, f. 4.
 „ *purpurata*, Klug, Jahrb. Ins., 1834, p. 46.
 Hab. N. India, Assam, Burma, Java, Sunda Islands, Moluccas, Hongkong. [*Ind.*
Mus., Andamans].
- cribripennis, Thomson, Arch., Ent., i, 1857, p. 133: Chaud., *Mon.*, p. 509.
 Hab. Borneo, Sarawak.
- cribrosa, Chaudoir, *Mon.*, p. 507.
 ? *melanopoda*, Schmidt Goebel, Faun. Col. Birm., 1846, p. 13; Chaud., *Mon.*,
 p. 508.
 Var. *flavitaris*, Brullé, Arch. Mns., i, 1839, p. 141.
 „ *rufitaris*, Klug, Jahrb. Insec., 1834, p. 45.
 Hab. Burma, Java.
- cruentata, Schmidt Goebel, Faun. Col. Birm., 1846, p. 14; Chaud., *Mon.*, p. 505.
 Hab. India, Burma, Borneo.
- cylindripennis, Chaudoir, Rev. Zool., 1864, p. 106; *Mon.*, p. 514, t. 8, f. 13.
 Hab. Siam.
- diffracta, Schmidt Goebel, Faun. Col. Birm., 1846, p. 17; Chaud., *Mon.*, 499.
 Hab. Burma.
- dimidiata, Chaudoir, *Mon.*, p. 521, t. 9, f. 18.
 Hab. Malacca, Laos. [*Ind. Mus.*, Andamans].
- discolor, Chaudoir, *Mon.*, p. 531.
 Hab. Sumatra.
- distincta, Chaudoir, Bull. Mosc., xxxiii (4), 1860, p. 290; *Mon.*, p. 501.
 Hab. India.
- Dohrnii, Chaudoir, Bull. Mosc., l. c. *supra* p. 286; *Mon.*, p. 490.
 Hab. Ceylon, Colombo.

- dolens*, Chandroir, Berlin. Ent. Zeits., 1861, p. 399; *Mon.*, p. 510.
 Hab. Borneo, Sarawak.
- elongata*, Chandroir, *Mon.*, p. 509, ♀.
 Hab. Malacca.
- emarginata*, Dejean, Spec., i, 1825, p. 165; MacLeay, Annul. Javan., p. 10; Chaud., *Mon.*, p. 506, t. 7, f. 8.
brevicollis, Klug, Jahrb. Ins., 1834, p. 46.
longicollis, Oliv., Ent., ii, 1790, 33, p. 7, t. 2, f. 17; Latreille, Gen. Crust., p. 176, t. 6, f. 8.
 Hab. Borneo, Java. [*Ind. Mus.*, Sibságar, Assam].
- fasciata*, Chandroir, Rev. Mag. Zool., (2 s.), xvi, 1864, p. 107; *Mon.*, p. 513, t. 8, f. 12.
 Hab. Siam,
- filiformis*, Chandroir, Bull. Mosc., xvi (3), 1843, p. 697; *Mon.*, p. 507, t. 8, f. 9.
 Hab. Java.
- flavicornis*, Chandroir, Bull. Mosc., xxxiii (4), 1860, p. 292; *Mon.*, p. 512, t. 8, f. 11.
 Hab. N. India, Malaya, Cochinchina.
- formosana*, Bates, Proc. Zool. S. Lond., 1866, p. 341.
 Hab. Formosa.
- fuscicornis*, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 177.
 Hab. India.
- fuscitarsis*, Schmidt Goebel, Faun. Col. Birm., 1846, p. 16; Chaud., *Mon.*, p. 499.
cylindrica, Schmidt Goebel, l. c., p. 15.
 Hab. India, Burma, Malaya. [*Ind. Mus.*, Assam].
- gibbicollis*, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 178.
 Hab. Assam.
- Horsfieldi*, MacLeay, Annul. Javan., 1825, p. 11; Chaud., *Mon.*, p. 532, t. 9, f. 23
a-b.
rugicollis, Klug, Jahrb. Ins., 1834, p. 46.
 Hab. Java.
- impressifrons*, Chandroir, *Mon.*, p. 500.
 Hab. Cochinchina. [*Ind. Mus.*—?].
- insignis*, Chandroir, Rev. Mag. Zool., (2 s.), xvi, 1864, p. 76; *Mon.*, p. 496, t. 7, f. 4,
 4a, ♀.
 Hab. Assam (Silhat). [*Ind. Mus.*, Sikkim].
- leucodactyla*, Chandroir, Bull. Mosc., xxxiii (4), 1860, p. 297; *Mon.*, p. 530, t. 9, f. 21.
albitarsis, Thomson, Arch. Ent., i, 1857, p. 132.
 ? *leucopus*, Schaum, Berlin. Ent., Zeits., 1861, p. 79.
 Hab. Borneo, Sarawak.
- linearis*, Schmidt Goebel, Faun. Col. Birm., 1846, p. 15; Chaud., *Mon.*, p. 528.
 Hab. Burma, Siam.
- lissodera*, Chandroir, *Mon.*, p. 532.
 Hab. Borneo, Sarawak.

- longicollis*, Fabr., Mant. Ins., i, 1787, p. 185: Chand., *Mon.*, p. 490, t. 7, f. 1.
Lafertei, Chaud., Bull. Mosc., xxxiii (4), 1860, p. 284.
Hab. N. India, Siam, Java, Borneo.
- longicornis*, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 176.
Hab. Burma.
- Lundii*, Crotch, Col. Hefte, v, 1869, p. 106.
aptera, Lund, Acta Soc. Hist. Nat. Hafn., i, 1790, p. 65, t. 6, f. 1, *nec*
Oliv.: Schneid. Mag. i, p. 13: Fabr. Ent. Syst., i, p. 169: Schaum, Stettin.
Ent. Zeit., 1847, p. 50: Chaudoir, Bull. Mosc., xxxvii (4), 1860, p. 286;
Mon., p. 518, t. 8, f. 15.
Hab. Bengal.
- macrodera*, Chaudoir, Rev. Mag. Zool., (2 s.), xvi, 1864, p. 105: Chaud., *Mon.*,
p. 536.
Hab. Malacca.
- maculicornis*, Chaudoir, Bull. Mosc., xxiii (i), 1850, p. 19; *Mon.* p. 524.
Hab. N. India, Simla.
- major*, Latreille, Ic. Col. Eur., i, 1822, p. 66, t. 2, f. 4, 5: Brullé, Hist. Nat. Ins., iv,
t. 3, f. 1: Chaud., *Mon.*, p. 517, ♀.
Hab. Malacca.
- Mniszechii*, Chaudoir, Rev. Mag. Zool., (2 s.) xvi, 1864, p. 75; *Mon.*, p. 492.
Hab. Malacca, Laos.
- modesta*, Dejean, Spec., v, 1831, p. 275; Ic. Col. Eur., i, p. 58, t. 6, f. 8: Chand.
Mon., p. 510.
Diardi, Latreille, Ic. Col. Eur. (1 ed.), 1822, p. 66.
tarsata, Klug, Jahrb. Ins., 1834, p. 45.
Hab. Malacca, Java. [*Ind. Mus.*, Sibságar, Assam].
- moesta*, Schmidt Goebel, Faun. Col. Birm., 1846, p. 14; Chaud., *Mon.*, p. 505.
Hab. Burma.
- Mouhotii*, Chaudoir, *Mon.*, p. 515.
Hab. Laos.
- nigricornis*, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 177.
Hab. India.
- ortygia*, Buquet, Ann. Soc. Ent. Fr., iv, 1835, p. 604: Chaud., *Mon.*, p. 502, t. 7, f. 6.
cribellata, Chaud., Bull. Mosc., xxxiii (4), 1860, p. 290, ♀.
var. *puncticollis*, Chand., l. c., p. 291, ♀.
Hab. Deccan, N. India, Java, Sunda Islands [*Ind. Mus.* Jhelam valley].
- parvula*, Chaudoir, Bull. Mosc., xxi (i), 1848, p. 17; *Mon.*, p. 527.
Hab. Bombay.
- plicata*, Schanm, Journ. Ent., ii (1863), 1866, p. 61: Chaud., *Mon.*, p. 520.
Hab. Philippines, Luzon.
- plicaticollis*, Chaudoir, *Mon.*, p. 534.
Hab. Ceylon.

- postica*, Brullé, Arch. Mus., i, 1839, p. 138, t. 9, f. 8 : Chaud., *Mon.*, p. 504, ♀.
Hab. Sumatra, Java.
- procera*, Chaudoir, *Mon.*, p. 501.
Hab. Bombay.
- punctatella*, Chaudoir, *Mon.*, p. 525.
Hab. Ceylon, Balangoda (Bates).
- purpurata*, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 171.
Hab. India.
- Rhodopus*, Bates, Cist. Ent., ii, 1878, p. 335.
Hab. N. Borneo.
- Robynsii*, Vander Linden, Ess. Ins. Jav., i, 1821, p. 24 : Lap. de Casteln., Hist. Nat. Ins., i, p. 24 : Chaud., *Mon.*, p. 535.
- rubens*, Bates, Cist. Ent., ii, 1878, p. 336.
Hab. Assam.
- rufipalpis*, Chaudoir, *Mon.*, p. 504.
Hab. N. India.
- rufipes*, Motsch., Bull. Mosc., xxxvii (3), 1864, p. 175.
Hab. Bengal.
- rugosa*, Chaudoir, *Mon.*, p. 515.
Hab. — ?
- saphyrina*, Chaudoir, Bull. Mosc., xxiii (i), 1850, p. 18 ; *Mon.*, p. 496, t. 7, f. 5.
Boysii, Chaud., l. c., xxxiii (4), 1860, p. 288, ♀.
Hab. N. India.
- sarawakensis*, Thomson, Arch. Ent., i, 1857, p. 133 : Chaud., *Mon.*, p. 531, t. 9, f. 22.
Hab. Borneo, Sarawak.
- Saundersii*, Chaudoir, *Mon.*, p. 496, ♀.
Hab. Ceylon, Colombo (Bates).
- Smithii*, Chaudoir, *Mon.*, p. 518.
Hab. India.
- speciosa*, Schaum, Journ. Ent., ii (1863), 1866, p. 62 ; Chaud., *Mon.*, p. 519, t. 8 f. 16.
Hab. Philippines, Luzon.
- subclavata*, Chaudoir, Bull. Mosc., xxxiii (4), 1860, p. 289 ; *Mon.*, p. 495, t. 7, f. 3.
Hab. Deccan, N. India. [*Ind. Mus.*, Malda].
- subtilis*, Chaudoir, Rev. Mag. Zool., (2 s.), xv, 1863, p. 112 ; *Mon.*, p. 525.
Hab. Siam.
- tenuicornis*, Chaudoir, *Mon.*, p. 526.
Hab. Singapur.
- terminalis*, Chaudoir, *Mon.*, p. 509.
Hab. Malacca, Tringani.

- tuberculata, MacLeay, *Annul. Javan.*, 1825, p. 10; Chaud., *Mon.*, p. 516, t. 8, f. 14.,
Audouinii, Lap. de Casteln., *Silb. Rev.*, iii, 1834, p. 36; *Hist. Nat. Col.*, i.
 p. 24; Brullé, *Hist. Nat. Ins.*, iv, p. 100.
longicollis, Dejean, *Spec.*, i, 1825, p. 163; *IC. Col. Eur.*, i, p. 67, t. 2, f. 3:
 Chaud., *Bull. Mosc.*, xxxiii (4), 1860, p. 296.
 var. *Chevrolatii*, Guérin, *Mag. Zool.*, 1838, cl. ix, t. 225, f. 1 a-c: Schaum, *Berlin*
Ent. Zeits., 1861, p. 80.
 Hab. Java.
- varicornis, Chaudoir, *Mon.*, p. 530.
 Hab. Assam (Silhat).
- varitarsis, Chaudoir, *Bull. Mosc.*, xxxiii (4), 1860, p. 295; *Mon.*, p. 523.
 Hab. N. India.
- violacea, Motsch., *Bull. Mosc.*, xxxvii (3), 1864, p. 176.
 Hab. Burma.
- Waterhousei, Chaudoir, *Rev. Mag. Zool.*, (2 s.), xvi, 1864, p. 104; *Mon.*, p. 521.
 Hab. Philippines? Manila.
- xanthoscelis, Chaudoir, *Mon.*, p. 526.
 Hab. Singapore.

CORRECTIONS and ADDITIONS:—

- p. 5, after *bramani*, Dokhtonroff, for 'l. c.,' read 'Rev. d' Ent.'
- „ *Duponti*, Dejean, is a good species and is not a synonym of *aurulenta*, Fabr.
 The Indian Museum has examples from several districts in Assam, and
 from S. India.
- „ 7, *dolens*, Fleutiaux, is a variety of *funnebris*, Schmidt Goebel, and is found in
 Sikkim and Assam.
- „ after '*elaphroides* Dokhtoureff, Rev.' omit 'Mens.' This species is pro-
 bably the same as *C. macilenta*, Chaudoir, *q. v.*
- „ after '*Fauveli*, Dokhtonroff, Rev.' omit 'Mens.'

Whilst these pages were passing through the press, M. Fleutiaux has examined
 the Indian Museum collection and we get the following precise localities:—

Cicindela:—

- calligramma*, Schaum, Trivandrum.
chinensis, De Geer, N. India, Simla.
dolens, Fleut., var. of *funnebris*, Sikkim, Assam.
fastidiosa, Dejean, Assam.
flavovittata, Chaudoir, Trivandrum.
funnebris, Schmidt Goebel, Sikkim, Assam, Pegu.
grammophora, Chaudoir, Mahanadi.
lineifrons, Chaudoir, Pegu.
nitidus, Wiedemann, Malda, Pegu.
striatifrons, Chaudoir, Borhampur.
superba, Kollar, S. E. Burmah.
tetragrammica, Chaudoir, S. India.
viduata, Fabr., var. *holosericea*, Bengal

Whithilli, Hope, Poona, Bombay.

yunnana, Fairmaire, Sikkim.

Dromicidia:—

scrobiculata, Wiedemann, Malda.

Odontochila:—

? *heteromalla* MacLeay, Sikkim.

Add:—

Genus **TETRACHA**, Hope.

Col. Man., ii, 1838, p. 7: Mun. Cat., p. 3.

euphratica, Dejoan, Spec., i, 1825, p. 7: J. Duval, Gen. Col. Carab., t. 1, f. 1:

Coquorel, Ann. Soc. Ent. Fr., 1859, p. 615, t. 14, f. a-f.

algeriana, Guérin, Bull. Soc. Ent. Fr., 1846, p. xviii.

Hab. Spain, Algeria, Armenia [*Ind. Mus.*, Agra, N. W. P.].

II.—*Catalogue of the Insecta.*

Order RHYNCHOTA.

Suborder HEMIPTERA-HETEROPTERA.

Family CAPSIDÆ.

By E. T. ATKINSON, B. A.

Astemmites, Laporte, Ess. des Hém., 1835, p. 36.*Capsini*, Barm., Handb. Ent., ii, 1835, p. 263.*Bicelluli*, Am. and Serv., Hist. Nat. Ins. Hém., 1843, p. 275.*Phytocoridae*, Fieber, Eur. Hem., 1861, p. 26.*Isometopidae*, Fieber, l. c., p. 26.*Capsidæ*, Westw., Intr. Mod. Class. Ins., ii, 1840, p. 479: Reuter, Hem.

Gymn. Eur., i, 1879, p. 13.

Mr. Distant in his introduction* to the *Capsidæ* of Central America writes:—"The members of this family are readily recognised by the elongated and 4-jointed antennæ, of which the second joint is frequently more or less thickened at the apex, and the two terminal joints are more or less slender, and also, and principally, by the corium terminating in a distinctly differentiated section called the cuneus. If we except a very considerable knowledge of the Palæarctic *Capsidæ*, and a less acquaintance with those of the Nearctic region, we may safely presume to say that those of the Ethiopian, Oriental, and Australian regions, are practically unworked and unknown." This statement as to our knowledge of the *Capsidæ* is true to the present day as regards the Ethiopian, Oriental, and Australian regions. Dr. Stål did much for the *Capsidæ* of Brazil, Dr. Berg, for those of the Argentine Republic, and Mr. Distant has described and figured a considerable number from Central America. To commence the study of the extra-European old world *Capsidæ*, it seemed necessary to catalogue those already described from all countries, and I now present this list to my fellow-entomologists as my contribution to the work. No attempt has ever been made to make a complete catalogue of the described species, and, indeed, it would have still been impossible to achieve it were it not for the labours of Reuter, Puton, Lethierry, Horvath, Uhler, and Ferrari, and especially the great works of the first-named author, which must ever remain the principal guides to the study of the family.

The bibliographical table annexed gives the principal abbreviations used in this catalogue and the full title of the works referred to. Fieber's 'European Hemiptera' and Reuter's 'Hemiptera Gymnocerata Europæ,' are necessary aids to the student. For the fuller

* Biol. Centr.-Amer. Rhyn., 1883, p. 234.

synonymy of the older species, reference should also be made to Reuter's '*Revisio synonymica Heteropterorum palæarcticorum quæ descripserunt auctores vetustiores*' (Linnæus, 1758; Latreille, 1806): Helsingfors, 1888. In this laborious work, Herr Reuter arranges the synonymy on the basis of priority in the printed publication of recognisable descriptions of species, setting aside the compromises due to the 'law of prescription' or of 'continuity of use for a lengthened period,' and it is to be hoped that the results of his investigations will be accepted by all engaged in the study of this order, and that this list, which embodies those results, may be regarded as authoritative in the cases affected thereby.

I have not attempted to give references to merely fannistic catalogues, but the first table given below indicates the principal local lists in which the family of the *Capsidæ* is noticed. References to Walker's Catalogue of the Hemiptera-Heteroptera are also given. It is, however, to be carefully understood that these references do not imply the acceptance of Walker's synonymical notes, which are, as a rule, so untrustworthy that, perhaps, it would have been better to have omitted them.

LOCAL LISTS.

Britain—Saunders, E., 'Synopsis of the British Hemiptera-Heteroptera,' in Trans. Ent. S. London, 1875.

France—Reiber and Puton, 'Catalogue des Hémiptères d' Alsace et de la Lorraine.' Colmar, 1876.

Lethierry, L. 'Catalogue des Hémiptères de Dept. du Nord.' (2 ed.), Lille, 1874

Belgium—Lethierry and Pierret, 'Premier Essai d'un Catalogue des Hémiptères de Belgique,' in Ann. Soc. Ent. Belg., xxii, 1879, p. 5.

Spain—Bolívar and Chicote, 'Enumeración de los Hemipteros observados en España y Portugal,' in Anal. Soc. Esp. de Hist. Nat., viii, 1879, p. 167; *ib.*, 1880. 'Relevé des Hémiptères recueillis en Portugal et en Espagne par M. C. Van Volxem' by Lethierry, in Ann. Soc. Ent. Belg., xvii, 1874, p. 47.

Italy—Ferrari, P. M.—'Hemiptera Agri Lignistici,' in Ann. Mus. Civ. Gen., vi, 1874; *ib.*, xii, 1878, p. 60: *id.*, 'Rhynchota Tridentina,' *ib.*, 1884.

Bohemia—Duda, L.—'Beitrag zur Kenntniss der Hemiptera Fauna Bohmens,' in Wien. Ent. Zeit., Vol. V, 1886, p. 43.

Greece—Chicote, in Ann. Soc. Ent. Belg., xxvi, 1882, p. 87.

Tyrol—Gredler, V., 'Rhynchota Tirolensia, Hemiptera-Heteroptera,' in Vorh. Zool. bot. Ges. Wien, 1870, p. 90.

Holland—Vollenhoven, S. C. Snellen Van—Hemiptera-Heteroptera Neerlandica, 1878: 'Bijvoegsel tot de lijst der inlandische Hemiptera-Heteroptera,' in Tijdschr. v. Ent., xxii, 1879. Fokker, A. J.—'Catalogus der in Nederland voorkomende Hemiptera,' in *ibid.*, xxvi, 1883, p. 234; 1884, p. 113.

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- Siberia*—Sahlberg, J.—'Bidrag till nordvestra Siberiens Insekt fauna,' in Vet.-Aka. Handl., xvi (4), 1878.
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- Caucasus*—Jakewloff, in Bull. Sec. Imp. Moscow, xlviii, 1874: xlix, 1875: lii, 1877, also 1880, 1883, and Trudi Russki Ent. xii, p. 3; xiii, p. 85.
- Transcaucasus*—Hervath, G. de.—'Beitrag Zur Hemipteren-Fauna Transcauciens,' in Schneider's Beitr. z. Kennt. Kaukasuslander, 1878, p. 72: *id.*, S. B. Naturw. Ges. 'Isis,' 1879, Heft 1, 2.
- Persia*—Jakewloff, V. E.—'Hémiptères de la Perse septentrionale,' in Trudi Russki Ent., x, 1878, p. 67.
- Sumatra*—Lethierry, L.—'Liste des Hémiptères recueillis a Sumatra, et dans l'île Nias par M. E. Medigliani,' in Ann. Mns. Civ. Gen., (2 s.) vi, 1888, p. 460.
- N. America*—Uhler, P. R., 'Check-list of the Hemiptera Heteroptera of N. America.' Brecklyn, 1886.
- Central America*, see Distant in list.
- Argentine Republic*—Berg, 'Hemiptera Argentina,' Buenos Ayres, 1879; *id.*, Addenda et emendanda, 1884.
- Guadeloupe*—L. Lethierry—'Liste des Hémiptères recueillis par M. Delannoy a La Guadeloupe, La Martinique et St. Barthélemy' in Ann. Soc. Ent. Belg., xxv, 1880.
- S. Africa*—Stål, C.—'Hemiptera Africana,' iii, 1865, p. 16.
- Algeria*—Lethierry and Puton, 'Faunule des Hémiptères de Biskra,' in Ann. Sec. Ent. Fr., (5 s.) vi, 1876, p. 13.
- Tangiers*—Lethierry, L., 'Relevé des Hémiptères recueillis dans les environs de Tanger,' in Ann. Soc. Ent. Belg., xx, p. 44.
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- „ *Hemiptera Mexicana, l. c., xxiii,* 1862, p. 316.

- „ Fregatten Eugenies Resa, Zool. iv, Hem., 1859, p. 254.
 „ Bidrag till Rio-Janeiro traktens Hemipter-fauna, Stockholm, 1858, p. 45.
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 Div. I. **TERATODELLARIA**, Reuter, Bih. Vet-Aka. Handl., iii (i), 1875, p. 7 ;
id., Hem. Gymn. Eur., iii, p. 564.

Genus **TERATODELLA.**

- Reuter, Bih. Vet. Aka. Handl., iii (i), 1875, p. 7 ; *id.*, Zool. Jahr., 1879, p. 508.
anthocoroides, Reuter, *l. c. supra*, 1875, p. 8.
 Hab. France, ? Senegal.

Genus **CAMELOCAPSUS.**

- Reuter, Bull. Soc. Ent. Fr., (5 s.), viii, 1878, p. cv.
oxyearenoides, Reuter, *l. c.*, p. cv.
 Hab. Greece, Ætolia.
 Div. II. **MYRMECORARIA**, Reuter, Hem. Gymn. Eur., iii, 1883, p. 564.

Genus **PITHANUS.**

- Fieber, Crit., 1859, 16, t. 6, f. 13 ; Eur. Hem., p. 61, 239 : Dougl. & Scott, Brit. Hom., p. 280 : Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 25 ; *id.*, Rev. Caps., p. 119.
Maerkelii (*Capsus*), Herr. Schöff., Wanz. Ins., iv, 1839, p. 78, t. 132, f. 406 (*form. macr.*) : Kirschb., Rhyu. Wiesb., p. 204. sp. 28 : Flor, Rhyn. Liv., i, p. 513 : Fieber (*Pithanus*), Eur. Hem., p. 239 : Walk., Cat. Het., vi, p. 88 : Dougl. & Scott. Brit. Hom., p. 281, t. 10, f. 3 : Saund., Syn., p. 278 : Reuter, Rev. Caps., p. 119.
flavolimbatus, Bohom., Vet.-Aka. Handl., 1849, p. 252 (*form. macr.*).
vittatus, Dahlb., *l. c.*, 1850, p. 205.
 Hab. Europe, especially N. Europe [*Atk.*, Lille].
Marshalli, Dougl. & Scott, Ent. Mon. Mag., v, 1868, p. 114 : Walk. Cat. Het., vi, p. 88.
 Hab. Syria, Algeria.

Genus **MYRMECORIS.**

Gorski, Anal. ad Ent. Prov. S.-W. Ross., i, 1852, p. 167 : Fieb., Eur. Hem., p. 61, 238 : Flor. Rhyn. Liv., i, p. 635 : Walk. Cat. Het., vi, p. 160 : Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 25 ; *id.*, Rev. Caps., p. 117.

p bimaculatus, Motsch., Bull. Mosc., xxxii (2), 1859, p. 502.

Hab. Siberia, Amuria.

gracilis (*Globiceps*), F. Sahlb., Mon. Geoc. Fenn, 1848, p. 123 : Beheman, Nya Svenska Hem., p. 70 : Gerski (*Myrmecoris*), Anal., i, p. 168 : Stein, Berlin. Monats., xiv, p. 424, t. 3, t. 8 : Kirschbaum, Rhyn. Wiesb., p. 201, sp. 23, p. 268 : Flor. Rhyn. Liv., i, p. 636 : Fieber, Eur. Hem., p. 239, pt.: Walk., Cat. Het. vi, p. 160 : Reuter, Abo. Hem., p. 71 ; *id.*, Rev. Caps., p. 118.

lithuanicus, Gorski, Anal. *l. c. supra*, p. 167, t. 2, f. 1.

var. *rufusculus*, Reuter, 1879 : Puton, Cat., 1886, p. 45.

„ *fuscus*, Reuter, 1879 : Puton, Cat., 1886, p. 45.

Hab. N. Europe, France.

rubricatus, Jakowloff, Bull. Mosc., lvi (4), 1882, p. 362.

Hab. Russia, Orenburg.

Genus **SPHINCTOTHORAX.**

Stål, Ofvers. Vet.-Aka. Förh., 1853, p. 260 ; Hem. Afric., iii, 1865, p. 17 : Walk., Cat. Het., vi, p. 165.

leucophaeus (*Cyllocoris*), Germar, Silbermann. Rev. Ent., v, 1837, p. 135 : Stål, Ofvers. Vet.-Aka., Förh., 1855, p. 36 ; Hem. Afric., iii, p. 17 : Walk. *l. c. supra*, p. 165.

Hab. Caffraria.

Genus **HERDONIUS.**

Stål, Rio Jan. Hem., i, 1858, p. 55.

armatus, Stål, *l. c.* p. 56 : Walk., Cat. Het., vi, p. 166.

Hab. Rio Janeiro.

Genus **CAMPONOTIDEA.**

Reuter, Ofvers Finska Soc. Förh., xxi, 1879, p. 176 ; *id.*, Zool. Jahr., 1879, p. 509.

Saundersi (*Myrmecoris*), Puton, Pet. Nouv. Ent., i No. 113, 1874, p. 452 : Waterh. Aid Ident., Ins., t. 25 : Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 181.

var. *Fieberi*, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 176 ; Berlin. Ent. Zeits., *l. c. supra*.

Hab. Greece, Smyrna.

Genus **GRYLLOCORIS.**

Bäreusprung, Berlin. Ent. Zeits., 1859, p. 334 : Fieber, Eur. Hem. p. 66, 263 :

Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 25.

Aphanosoma, Costa, teste Puton, Cat., 1886, p. 45.

angusticollis, Bäröns, *l. c. supra*, p. 335, t. 6, f. 8: Fieber, Eur. Hem., p. 263: Walk., Cat. Het., vi, p. 77.

italicus, Costa, Cim. Regn. Neap. Cent., 1852.

Hab. Greece.

Genus **LAURINIA.**

Ferrari and Reuter, Ann. Mus. Civ. Gen. (2 s.), i, 1884, p. 481.

fugax, Ferrari and Reuter, *l. c.*, p. 482.

Hab. Tunis.

Div. iii, **MIRARIA**, Reuter, Hem. Gymn. Eur., iii, 1883, p. 565: Distant, Biol. Centr. Amor. Rhyn., 1883, p. 235: Uhler, list, p. 17 pt.

Genus **ACETROPIS.**

Fieber, pt., Crit. Phyt., 1859, 11, t. 6, f. 2; *id.*, Eur. Hem., p. 62, 244: Reuter, Bih. Vot. Aka. Handl., iii (i), 1875, p. 8: Walker, Cat. Het., vi, p. 50.

carinata (*Lopus*), Herr. Schöff., Wanz. Ins., vi, 1842, p. 49, t. 197, f. 609: Kirschb., Rhyn. Wiesb., p. 194, sp. 8: Fieber, Eur. Hem., p. 244: Walker, Cat. Het., vi, p. 50.

marginata, Schummel, teste Fieber, Puton, Cat., 1886, p. 45.

Hab. Dantzig.

Gimmerthali, Flor., Rhyn. Liv., i, 1860, p. 428: Saund., Syn., p. 258.

seticulosa, Fieber, Eur. Hem., 1861, p. 244: Dougl. & Scott, Brit. Hem., p. 291, t. 10, f. 5: Walk., Cat. Het., vi, p. 50.

Hab. Nearly all Europe.

longirostris, Puton, Pet. Nouv. Ent., i, 1875, p. 511.

Hab. S. Russia, Sarepta.

Genus **COLLARIA.**

Provancher, Can. Nat., iv, 1872, p. 79; Uhler, List., p. 17.

Nabidea, Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 397; Reuter, Zool. Jahr., Arthr., 1879, p. 507.

explicata, Uhler, Ent. Am., ii, 1886, p. 236.

Hab. W. Indies.

infusata (*Nabidea*), Uhler, List, 1886, p. 20.

Hab. United States.

Meilleuri, Provancher, Can. Nat., iv, 1872, p. 79: Uhler, Ent. Am., ii, 1886, p. 230.

coracina (*Nabidea*), Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 398; List, p. 20.

Hab. United States.

Genus **MIRIS.**

Fabricius, pt., Ent. Syst., iv, 1794, p. 183: Fieber, Eur. Hem., p. 62, 239: Dougl.

- & Soott, Brit. Hem., p. 282: Walker, Cat. Het., vi, p. 48: Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 8; *id.*, Rev. Caps. p. 17: Distant, Biol. Contr. Amer., Rhyn., 1883, p. 236: Uhler, List, p. 17.
- Subg. *Brachytropis*, Fieber, Crit. Phyt., 1859, 6, t. 6, f. 18; *id.*, Enr. Hem., p. 62, 241.
- Subg. { *Miris* (Fieber), Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 8.
 { *Lobostethus*, Fieber, Crit. Phyt., 1859, 8, t. 6, f. 19; *id.*, Enr. Hem.
 p. 62, 242.
- Stenodema*, Lap., Ess., 1832, p. 40: Spinola, Ess., p. 186: Renter, Rev. Syn. Het., p. 238.
- affinis*, Renter, Caps. Amer., 1875, p. 59: Uhler, Wheeler, Rep. Geogr. Explor. Un. St., v, Zool., 1875, p. 836, t. 42, f. 9; List, p. 17: Distant, Biol. Centr. Amer. Rhyn., p. 236.
- instabilis*, Uhler, Proc. Bost. Soc. N. H., 1871, p. 104; Bull. Un. St. Surv. ii, 1876, p. 316; iii, 1877, p. 413; Proc. Bost. Soc. N. H., 1878, p. 395; List, p. 17.
- Hab. United States, Wisconsin, Maryland, N. Jersey, Colorado, Mexico [*Atk.*, Canada].
- albopilosus*, Lethierry, Ann. Mus. Civ. Gen., (2 s.) vi, 1888, p. 464.
- Hab. Sumatra.
- australis* (*Brachytropis*), Wallengren, Ofvers. Vet.-Aka. Förh., xxxii (i), 1875, p. 135.
- Hab. Africa, Transvaal.
- Belangeri*, Provancher, Nat. Can., iv, 1872, p. 78: Uhler, List, p. 17.
- Hab. Canada.
- calcaratus*, Fallen, Hem. Suec., 1829, p. 131: Burm. Handb. Ent., ii (i), p. 265: Herr. Schaff., Wanz. Ins., iii, p. 39: Zett., Ins. Lapp., p. 280: Meyer, Rhyn. Schw., p. 34: Schill., Hem. Het. Siles., p. 52: F. Sahlb., Geoc. Fenn., p. 86: Kirschb., Rhyn. Wiesb., p. 193, sp. 4: Flor, Rhyn. Liv., i, p. 421: Fieber (*Brachytropis*), Eur. Hem., p. 241: Dougl. & Scott, Brit. Hem., p. 236: Walk., Cat. Het., vi, p. 48: Sannd., Syn., p. 258: Renter, Rev. Caps., p. 17: Uhler, Bull. Un. St. Surv., ii, 1876, p. 316; iii, 1877, p. 413.
- dentatus*, Hahn, Wanz. Ins. i, 1831, p. 15, t. 2, f. 8.
- var. griseescens*, Fieber, Eur. Hem., 1861, p. 241.
- „ virescens*, Fieber, *l. c.*, p. 241.
- Hab. All Europe, Turkistan, Canada, United States [*Atk.*, Riveira, Hungary].
- p. curticolis*, Costa, Cim. Regn. Neap. Cent, iii, 1852, p. 57.
- Hab. Italy.
- Dohrni*, Stål, Freg. Eng. Resa, Hem., 1859, p. 254: Walk., Cat. Het., vi, p. 53; Berg, Hem. Arg., 1879, p. 118.
- Hab. Patagonia.
- dolabratus* (*Cimes*), Linn., Syst. Nat. (ed. 10), 1758, p. 449: Fabr. Ent. Syst. iv, p. 183: Fallen, Mon. Cim., p. 107: Zett. Fann. Lapp., p. 501: Burm. Handb. Ent., ii (i), p. 267: Hahn, Wanz. Ins., ii, p. 75, t. 53, f. 160: Herr. Schaff., Wanz. Ins., iii, p. 45, t. 86, f. 261, 262: Westw., Mod. Class. Ins., ii, p. 122: Meyer, Rhyn. Schw., p. 38: F. Sahlb., Geoc. Fenn., p. 82: Kirschb.

- Rhyn. Wiesb., p. 196, sp. 11: Flor, Rhyn. Liv., i, p. 437: Fieb., Crit. Gen. Phyt. (*Leptopterna*), 14; *id.*, Eur. Hem., p. 245: Dougl. & Scott (*Lopomorphus*), Brit. Hem., p. 297: Walk., Cat. Het., vi, p. 51: Saund., Syn., p. 261; Stål, Hem. Fabr., i, p. 90: Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 397: Reuter (*Leptopterna*), Rev. Caps., p. 31; (*Miris*), Rev. Syn. Het., p. 243.
abbreviatus, Wolff, Ic. Cim., iii, 1802, p. 116, t. 11, f. 110.
antenni-rectus, Goeze, Ent. Boytr., ii, 1778, p. 267.
deses, Müller, Zool. Dan., 1767, p. 108.
frumentarius, Poda, Ins. Graec., 1761, p. 60.
laevigatus, De Geer, Mém., iii, 1773, p. 292.
lateralis, Fabr., Gen. Ins., 1776, p. 300: Wolff, Ic. Cim., iii, p. 115, t. 11, f. 109: Latr.
porrectus, Geoffroy in Fonrer. Ent. Paris, 1785, p. 206.
recticornis, Gmelin, Syst. Nat., iv, 1788, p. 2185.
riparius, Scopoli, Ent. Carn., 1763, p. 135.
V-flavum, Goeze, Ent. Beytr., ii, 1778, p. 279.
var. aurantiacus, Routor, Rev. Caps., p. 32.
carinatus, Dougl. & Scott, Brit. Hem., 1865, p. 294.
Hab. All Europe: E. United States [*Atk.*, Lille, Hungary].
- dorsalis* (*Capsus*), Say, Compl. Writ., ii, 1859, p. 438: Uhler, Proc. Bost. Soc. N. H., 1878, p. 396; List, p. 17: Walk., Cat. Het., vi, p. 52.
Hab. United States.
- fuscicornis*, Brullé, Canar. Ent., 1846, p. 82.
Hab. Canary Islands.
- guatemalanus*, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 236.
Hab. Guatemala, Quezaltenango, Volcano de Agna.
- holsatus* (*Cimex*), Fabr., Mant. Ins., 1787, p. 306; *id.* (*Miris*), Ent. Syst. iv, p. 184; Fallen, Mou. Cim., p. 111: Zett., Faun. Lapp., p. 502: Fallen, Hem. Snec. p. 132: Herr. Schäff., Wanz. Ins., iii, p. 41, t. 85, f. 256: Meyer, Rhyn. Schw. p. 36: Kolenati, Mel. Ent., ii, p. 99: F. Sahlb., Geoc. Fenn., p. 86: Kirschb. Rhyn. Wiesb., p. 194, sp. 7: Flor, Rhyn. Livl., i, p. 427: Fieber, Eur. Hem., p. 241: Dougl. & Scott, Brit. Hem., p. 283: Walk., Cat. Het., vi, p. 48: Saund., Syn., p. 259; Renter, Rev. Caps., p. 20; *id.* (*Stenodema*), Rev. Syn. Het., p. 240.
holsaticus, Bnrm., Handb. Ent., ii (i), 1835, p. 265.
Hab. All Europe [*Atk.*, N. France, Genoa].
- insuavis*, Stål, Rio Jan. Hem., i, 1858, p. 45: Walk. Cat. Het., vi, p. 52: Berg, Hem. Arg., 1879, p. 117; Add. Emend., 1884, p. 63.
Hab. Brazil.
- laevigatus* (*Cimex*), Linn., Syst. Nat., (ed. 10), 1758, p. 449: Fabr., Syst. Rhyn. p. 252: Herr. Schäff., Wanz. Ins., iii, p. 43, t. 85, f. 259: Meyer, Rhyn. Schw., p. 35: Kolenati, Mel. Ent., ii, p. 98: Costa, Cim. Regn. Neap. Cent., iii, p. 31: Kirschb., Rhyn. Wiesb., p. 193, sp. 5: Fieber, Crit. Phyt., 12: Flor, Rhyn. Liv., i, p. 425: Fieber, Eur. Hem., p. 240: Dougl. & Scott, Brit. Hem., p. 284: Walk., Cat. Het., vi, p. 48: Saund., Syn., p. 259: Renter, Rev. Caps. p. 19; Rev. Syn. Het., p. 238.
? albolineatus, Goeze, Ent. Beytr., 1778, p. 280.

- ? *frumentarius*, β , Poda, Ins. Gr., 1761, p. 60.
lateralis, Geoffroy in Fonrer., Ent. Par., 1785, p. 209.
pallidus, Harris, Exp. Engl. Ins., 1781, p. 90, t. 26, f. 9.
? *pallescens*, Donov., Brit. Ins., iii, 1794, t. 101, f. 6, 7.
? *testaceus*, Scopoli, Ent. Carn., 1763, p. 135.
? *tetragrammus*, Gmelin, Syst. Nat., iv, 1788, p. 2194.
virens, Hahn, Wanz. Ins., ii, 1834, p. 79, t. 54, f. 165.
Hab. Nearly all Europe [*Atk.*, Lillo, Vosges, Stazzane, Hungary].
- parvulus*, Brullé, Canar. Ent., 1840, p. 82.
Hab. Canary Islands.
- roseus*, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 236, t. 23, f. 20.
Hab. Mexico, Oaxaca.
- sericeus*, Fieber, Enr. Hem., 1861, p. 240: Walk., Cat. Het., vi, p. 48.
Hab. Germany, Switzerland, Italy.
- spurius*, Stål, Freg. Eug. Resa, Hem., 1859, p. 254: Walk., Cat. Het., vi, p. 52.
Hab. Puna, Oceania.
- ? *vicinus*, Prevancher, Nat. Can., iv, 1872, p. 77: Uhler, List, p. 17.
Hab. Canada.
- virens* (*Cimex*), Linn., Syst. Nat., (ed. 12) 1767, p. 730: Fabr., Syst. Rhyn., p. 254: Welff, Ic. Cim., ii, p. 78, t. 8, f. 75: Lap., Ess., 1832, p. 40: Herr. Schöff., Wanz. Ins., iii, p. 42, t. 85, f. 257: Brullé, Hist. Ins., p. 409, t. 35, f. 3: Meyer, Rhyn. Schw., p. 35: Kolenati, Mel. Ent., ii, p. 99: F. Sahlb., Geec. Fenn., p. 86: Costa, Cim. Regn. Neap. Cent. iii, p. 31: Kirschb., Rhyn. Wiesb., p. 193, sp. 6: Flor, Rhyn. Liv., i, p. 423: Fieber, Eur. Hem., p. 243: Walk., Cat. Het., vi, p. 49: Reuter, Rev. Caps., p. 18: Rev. Syn. Het., p. 237 (*Stenodema*).
laevigatus, Zett., Faun. Ins. Lapp., 1828, p. 501: Hahn, Wanz. Ins., ii, p. 76, t. 53, f. 161 (= Var. *testaceus*, Fallen, teste Reuter).
? *laevigatus*, var. *virescens*, Fallen, Hem. Suec., 1829, p. 131: Reuter, Rev. Caps., p. 19: *virescens*, Fieber, Eur. Hem., 1861, p. 242: Reuter, Rev. Caps. p. 19.
Var. *ruficornis*, Hahn, Wanz. Ins., ii, 1834, p. 135, t. 71, f. 220.
,, *fulvus*, Fieber, Weit. Beitrag Nat. Heilk., i, 1836, p. 101.
,, *lateralis*, J. Sahlberg, Vet.-Aka. Handl., xvi (4), 1878, p. 23.
Hab. All Europe, Turkistan, E. Siberia [*Atk.*, Vosges].
- viridis*, Prevancher, Nat. Can., iv, 1872, p. 78: Uhler, List, p. 17.
Hab. Canada.

Genus **MEGALOCERAEA.**

- Fieber, Crit. Gen., 1859, 9: Eur. Hem. p. 62, 243: Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 8; *id.*, Rev. Caps., p. 21: Walk., Cat. Het. vi, p. 50.
Subg. *Notostira*, Fieber, Crit. Gen., 1859, 7: Eur. Hem., p. 62, 241: Reut. Bih., l. c., p. 9.
,, *Megaloceraea*, Fieber, l. c. *supra*: Reut. Bih. l. c., p. 9.
,, *Trigonotylus*, Fieber, Crit. Gen., 1859, 10, t. 6, f. 20: Eur. Hem., p. 62, 243: Reut., Bih., l. c., p. 9.

brevipes, Jakowleff, Trudi Russki Ent., xi, 1880, p. 215.

Hab. Astrakhan.

costicollis (*Miris*), Berg, Hem. Arg., 1879, p. 118 : *id.*, Add. Emend., 1884, p. 63.

Hab. Buenos Ayres.

debilis, Uhler, Hayden Surv. Mont., 1872, p. 408; Bull. Un. St. Surv., ii, 1876, p. 316.

Hab. Colorado, Montana, Wyoming.

erratica (*Cimex*), Linn., Syst. Nat., (ed. 10), 1758, p. 449: Fallen, Mon. Cim., p. 111; *id.*, Hem. Suec., p. 132: Hahn, Wanz. Ins., ii, p. 78, t. 54, f. 163, 164; *ib.* iii, p. 40: F. Sahlb., Geoc. Fenn., p. 87: Costa, Cim. Regn. Neap. Cent. iii, p. 30: Kirschb., Rhyn. Wiesb., p. 192, sp. 1: Flor., Rhyn. Liv., i, p. 431: Fieber (*Notostira*), Crit. Phyt., 13; *id.*, Eur. Hem., p. 242: Dougl. & Scott, Brit. Hem., p. 287: Walk., Cat. Het., vi, p. 49: Saund. Syn., p. 259: Reuter, Rev. Caps. p. 21; *id.* (*Notostira*), Rev. Syn. Het., p. 240.

caucasica, Kolen., Mel. Ent., ii, 1845, p. 97, ♂.

elongatus, Geoffr. in Fourcr., Ent. Par., 1785, p. 208.

fuscofasciatus, Goeze, Ent. Beytr., ii, 1778, p. 267.

hortorum, Wolff, Io. Cim., 1804, p. 180, t. 16, f. 154; Spinola, Ess., 1837, p. 187.

pubicornis, Schrank, Verzeich. Ins. Bercht., 1785, p. 340.

quadrilineatus, Schrank, Faun. Boio. ii, 1801, p. 95.

tricotatus, Costa, Cim. Regn. Neap. Cent. iii, 1852, p. 58.

tritici, Curtis, Brit. Ent., xv, 1839, 701.

viridiusculus, Gmelin, Syst. Nat., iv, 1788, p. 2185.

? var. *ochraceus*, Fieber, Eur. Hem., p. 242.

Hab. All Europe, Turkistan [*Atk.*, Lille, Genoa, Hungary].

pulcher, Reuter, Caps. Americ., 1875, p. 59: Uhler, List, 17.

Hab. Texas.

recticornis (*Cimex*), Geoffroy in Fourcroy, Ent. Paris., 1785, p. 209: Reuter, Rev. Syn. Het., p. 241.

linearis, Fuessly, Verzeich. Schw. Ins., 1775, p. 26.

longicornis, Fallen, Mon. Cim., 1807, p. 108; *id.*, Hem. Suec., p. 129;

Herr. Schöff., Wanz. Ins., iii, p. 43, t. 85, f. 258: Meyer, Rhyn. Schw.,

p. 37: Costa, Cim. Regn. Neap. Cent., iii, p. 32: Kirschb., Rhyn. Wiesb.

p. 192, sp. 2: Flor., Rhyn. Liv., i, p. 434; Fieber, Crit. Phyt., 13; Eur.

Hem., p. 243: Dougl. & Scott, Brit. Hem., p. 289: Walk., Cat. Het., vi,

p. 50: Saund., Syn., p. 260: J. Sahlb., Notis. Skpts pro Fauna, Flora

Fenn., 1871, p. 290, pt: Reuter, Rev. Caps., p. 22.

megatoma, Muls. & Rey, Ann. Soc. Linn. Lyon, 1852, p. 126.

? *virens*, pt, Rossi, Faun. Etrusc., 1790, p. 251.

Hab. All Europe [*Atk.*, Calais, Liguria].

Reuteriana, F. B. White, Ent. Mon. Mag., xv, 1878, p. 130.

Hab. New Zealand.

rubicunda, Uhler, Hayden Surv. Montana, 1872, p. 409; List, p. 17.

Hab. Colorado.

ruficornis, Geoffroy in Fonror., Ent. Paris, 1785, p. 209: Fallen, Mon. Cim., p. 112: Zett. Fann. Lapp., p. 502: Fallen, Hem. Sneo., p. 133: Herr. Schöff., Wanz. Ins., iii, p. 40: Meyer, Rhyn. Schw., p. 37: F. Sahlb., Geoc. Fenn., p. 87: Costa, Cim. Regn. Neap. Cent., iii, p. 32: Kirschb., Rhyn. Wiesb., p. 192, sp. 3: Flor, Rhyn. Livl., i, p. 435: Fieb., Crit. Phyt. 14; *id.*, Enr. Hem., p. 243: Dongl. & Scott, Brit. Hem., p. 295: Walk., Cat. Het., vi, p. 50: Saund., Syn., p. 260: Uhler, Hayden Mont. Surv. 1872, p. 409; List, p. 17: Renter, Rev. Caps., p. 23; *id.* (*Trigonotylus*), Rev. Syn. Het., p. 242.

♀ var. *psammaecolor*, Renter, Berlin, Ent. Zeits., xxix, 1885, p. 45.

„ *pulchellus*, Hahn, Wanz. Ins., ii, 1834, p. 119, t. 66, f. 200: Renter, Berl. Ent. Zeits., xxix, 1885, p. 146.

Hab. All Europe: Turkistan: E. United States, Idaho, Colorado [*Atk.*, Lille, Genoa, Hungary].

Genus **DOLICHOMIRIS.**

Reuter, Ofvers. Finska Soc. Förh., xxv, 1884, p. 29.

linearis, Reuter, *l. c.*, p. 29.

Hab. Addah, W. Africa.

Genus **CREONTIADES.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 237.

rubrinervis (*Megacaelum*), Stål, Stettin, Ent. Zeit., xxiii, 1862, p. 321, ♀: Walk. Cat. Het., vi, p. 99: Distant, Biol. Centr. Amer. Rhyn., Uhler, List p. 17, p. 237, t. 23, f. 12.

Hab. Mexico., Guatemala, San Geronimo, Capetillo.

Genus **MINYTUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 237.

amplificatus, Distant, *l. c.*, p. 238, t. 24, f. 1.

Hab. Guatemala, Cerro Zunil.

argillaceus, Distant, *l. c.*, p. 238.

Hab. Panama, Volcano de Chiriqui.

Genus **TERATOCORIS.**

Fieber, Crit. Gen. Phyt., in Wien. Ent. Zeits., 1859, 13; *id.*, Eur. Hem., p. 63, 245: Ronter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 9; Rev. Caps. p. 23: Walker, Cat. Het., vi, p. 51.

antennatus (*Capsus*), Bohem., Nya Svenska Hem., in Ofvers. K. Vet.-Aka. Förh., 1852, p. 76: Fieb. Eur. Hem., p. 246: Walk., Cat. Het., vi, p. 51: Saund. Syn., p. 260: Renter, Rev. Caps., p. 24; *id.*, Berlin Ent. Zeits., xxv, 1881, p. 173.

var. *dorsalis*, Dongl. & Scott, Ent. Mon. Mag., ii, 1866, p. 218-19; Ent. Ann., 1866, f. 4; Cat., p. 26: Fieber, Wien. Ent. Monats., viii, 1864, p. 325: Walk., Cat. Het., vi, p. 52: *teste*, Reuter, Ent. Mon. Mag., xiv, 1877, p. 32.

- var. *notatus*, Bärensprung, Berlin Ent. Zeits., 1859, p. 336: t. 6, f. 9: Fieber, Eur. Hem., p. 246: Walk., Cat. Het., vi, p. 51.
 Hab. Scandinavia, Britain, France, Austria, Russia.
- discolor*, Uhler, Ent. Am., iii, 1887, p. 68.
 Hab. N. America.
- hyperboreus*, J. Sahlb., Not. Fauna Fl. Fenn., 1867, p. 225; *id.*, Vet.-Aka. Handl., xvi (4), 1878, p. 24: Reuter, Rev. Caps., p. 25.
 Hab. Lapland.
- miraria*, Uhler, Ent. Am., iii, 1887, p. 67.
 Hab. Labrador.
- paludum*, J. Sahlb., Notis. Skpts pro Fauna Fl. Fenn., xi, 1871, p. 291: Router, Rev. Caps., p. 29.
antennatus, Flor, Rhyn. Liv., i, 1860, p. 433, pt. (*nec* Bohem.).
 Hab. Scandinavia, Germany, Russia.
- Saundersi*, Douglas & Scott, Ent. Mon. Mag., v, 1869, p. 260: Walk., Cat. Het., vi, p. 52: Saund., Syn., p. 261: J. Sahlb., Vet.-Aka. Handl., xvi (4), 1878, p. 24: Reuter, Caps. Syn., 1875, p. 4; *id.*, Rev. Caps., p. 27.
antennatus, Flor, Rhyn. Liv., 1860, p. 433, pt. (*nec* Bohem.).
Flori, J. Sahlberg, Notis. Skpts. Faun. Fl. Fenn., xi, 1871, p. 290.
longicornis, F. Sahlb., Mon. Geoc., 1848, p. 87: *excl. syn.* (*nec* Fallon).
 Hab. Scandinavia, Russia, Britain.
- viridis*, Douglas & Scott, Ent. Mon. Mag., iv, 1867, p. 46, t. 1, f. 2: Walk., Cat. Het., vi, p. 51: Saund. Syn., p. 261: Router, Rev. Caps., p. 26.
hyperboreus, var. *d.*, J. Sahlb., Not. Fauna Fl. Fenn., 1867, p. 225: Reuter, Medd. Soc. Fenn., ix, 1883, p. 136.
 Hab. Britain, Scandinavia, Russia.

Genus **CALLIMIRIS.**

- Router*, Caps. Amer., 1875, p. 60: Uhler, List, p. 17.
- tarsalis*, Reuter, *l. c. supra*, p. 60: Uhler, List, p. 17.
 Hab. United States, Texas, Wisconsin.
- Uhleri*, Reuter, *l. c.*, p. 60: Uhler, List, p. 17.
 Hab. N. America.

Genus **ACTITOCORIS.**

- (*Actinocoris*) Reuter, Modell. Soc. pro Fauna Fl. Fenn., ii, 1878, p. 194.
Actitocoris, Reuter, Abo Hem., 1880, p. 167.
- signatus*, Reuter, Modell. Soc. pro Fauna Fl. Fenn., ii, 1878, p. 195: Abo Hem., p. 167.
 Hab. S. Finland.

Genus **OPHTHALMOMIRIS.**

- (Reuter) Berg, Hom. Arg., Add. & Emend., 1884, p. 64.

Reuteri, Berg, *l. c. supra*, p. 63.

Hab. Argentine Republic, Uruguay.

Genus **LEPTOPTERNA.**

Fieber, Crit. Gen. 1859, g. 12, t. 6, f. 3; *id.*, Eur. Hem., p. 63, 244: Rout. Rev. Caps., p. 29: Walker, Cat. Het. vi, p. 51: Uhler, List, p. 17.

Lopomorphus, Deugl. & Scott, Brit. Hem., 1865, p. 293.

amoena, Uhler, Hayden Mont. Surv., 1872, p. 409; Bull. Un. St. Surv., 1876, p. 316; List, p. 17.

Hab. Idaho, Dakota.

ferrugata (*Miris*), Fallen, Hem. Suec., 1829, p. 129: Schill., Hem. Het. Silos., p. 52: Herr. Schöff., Wanz. Ins., iii, p. 46, t. 86, f. 263 ♂: Moyer, Rhyn. Schw., p. 39: F. Sahlb., Geoe. Fenn., p. 89: Kirschb. (*Lopus*), Rhyn. Wiesb., p. 196, sp. 12: Flor., Rhyn. Liv., i, p. 439: Dougl. & Scott (*Lopomorphus*), Brit. Hem., p. 295, t. 10, f. 6, ♂: Saund., Syn., p. 262: Router, Rev. Caps., p. 30.

discors (*Lopus*), Cesta, Cim. Regn. Neap. Cent., iii, 1852, p. 57.

Hab. All Europe, Turkistan [*Atk.*, Lille].

pilosa, Reuter, Ofvers, Finska Sec. Förh., 1880, p. 13.

Hab. Spain.

Genus **TRACHELOMIRIS.**

Reuter, Caps. Amer., 1875, p. 61: Uhler, List, p. 17; Distant, Biel. Cent. Amer., Rhyn., p. 238.

oculatus, Reuter, Caps. Amer., 1875, p. 61: Uhler, List, p. 17.

Hab. Texas, New York.

oleosus, Distant, Biel. Centr. Amer., Rhyn., 1883, p. 238, t. 24, f. 2.

Hab. Guatemala, Cerro Zunil, San Geronimo, Panama, Bugaba.

seenicus (*Miris*), Stål, Frog. Eug. Resa, Hem., 1859, p. 254: Walk. Cat. Het., vi, p. 52: Berg, Hem. Arg., 1879, p. 118; Add. Emend., 1884, p. 66.

Hab. S. Brazil.

Genus **PORPOMIRIS.**

Berg, Hem. Arg., Add. & Emend., 1884, p. 66.

pieturatus, Berg, *l. c.*, p. 67.

Hab. Buenos Ayres.

Genus **XENETUS.**

Distant, Biel. Centr. Amer. Rhyn., 1883, p. 239: Uhler, Ent. Am., 1887, p. 51.

ambiguus, Distant, *l. c.*, p. 239.

Hab. Panama, Volcane de Chiriqui.

bracteatus, Distant, *l. c.*, p. 240, t. 24, f. 4.

Hab. Guatemala, San Isidro, Zapote.

chryselectrus, Distant, *l. c.*, p. 240.

Hab. Guatemala, Pantaleon.

lanuginosus, Distant, *l. c.*, p. 239, t. 24, f. 3.

Hab. Guatemala, San Isidro, Zapote.

Genus **ZACYNTHUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 240, 297.

Zacorus, Distant, *l. c.*, p. 240.

curvicornis, Distant, *l. c.*, p. 241.

Hab. Panama, Bngaba.

staphyliniformis, Distant, *l. c.*, p. 240, t. 24, f. 5.

Hab. Guatemala, Senahu.

Genus **ZOSIPPUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 241.

inhonestus, Distant, *l. c.*, p. 241, t. 24, f. 6.

Hab. Panama, Tolé.

Genus **LYGDUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 242.

simulans, Distant, *l. c.*, p. 242, t. 24, f. 16.

Hab. Panama, Volcano de Chiriqui.

Div. IV, **BRYOCORARIA**, Renter, Hem. Gymn. Eur., iii, 1883, p. 565 : Distant, Biol. Centr. Amer. Rhyn., p. 283.

Genus **MONALOCORIS.**

Dahlbom, K. Vet.-Aka. Handl., 1850, p. 209 : Fieb., Eur. Hem., p. 61, 237 : Dougl. & Scott, Brit. Hem., p. 278 : Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 22 ; *id.*, Rev. Caps., p. 95 : Walk. Cat. Het., vi, p. 159.

♀ *bipunctipennis*, Walker, Cat. Het., vi, 1873, p. 159.

Hab. Ceylon.

flicis (*Cimex*), Linn. Syst. Nat. (ed. 10), 1758, p. 443 : Wolff (*Acanthia*), Ic. Cim., ii, 1801, p. 46, t. 11, f. 42 ; Fallen (*Lygaeus*), Mon. Cim., p. 92 ; *id.* (*Phytocoris*), Hem. Suec., p. 108 : Hahn, Wanz. Ins., ii, 1834, p. 86, t. 56, f. 172 : Kolenati (*Bryocoris*), Mel. Ent., ii, p. 129 : F. Sahlb. (*Capsus*), Geoc. Fenn. p. 113 : Dahlbom (*Monalocoris*), K. Vet.-Aka. Handl., 1850, p. 209 : Meyer, Rhyn. Schw., p. 71 : Kirschb., Rhyn. Wiesb., p. 230, sp. 76 : Flor, Rhyn. Liv., i, p. 539 : Fieber, Eur. Hem., p. 238 : Dougl. & Scott, Brit. Hem., p. 279, t. 10, f. 2 : Sannd., Syn., p. 278 : Walk., Cat. Het., vi, p. 159 : Uhler, Bnll. Un. St. Surv. ii, 1876, p. 315 ; *id.*, iii, 1877, p. 413 ; List, p. 19 : Renter, Caps. Amer., 1875, p. 76 ; *id.*, Rev. Caps., p. 95 ; Rev. Syn. Het., p. 284.

Hab. Nearly all Europe : United States, Nebraska, N. Jersey, Wisconsin.

Genus **PSILORHAMPHUS.**

Stål, *Ofvers. Vet.-Aka. Förh.*, 1870, p. 669.

albomaculatus, Stål, *l. c.*, p. 670, t. 7, f. 5 : Walk., *Cat. Het.*, vi, p. 161.

Hab. Philippines.

conspersus, Stål, *l. c.*, p. 669 : Walk., *l. c.*, *supra*, p. 161.

Hab. Philippines.

consputus, Stål, *l. c.*, p. 670 : Walk., *l. c.*, *supra*, p. 161.

Hab. Philippines.

Genus **PYCNODERES.**

Guérin, Ramon do la Sagra's *Hist. Fisica Cuba*, vii, 1856, p. 168.

Sizeonotus, Renter, *Caps. America.*, 1875, p. 77.

insignis, Renter, *Caps. America.*, 1875, p. 78 : Uhler, *List*, p. 19.

Hab. Texas, N. York, N. Jersey.

quadrinaculatus, Guérin, *l. c. supra*, p. 169, t. 13, f. 12 : Uhler, *List*, p. 19.

Hab. Cuba.

Genus **BRYOCORIS.**

Fallen, *Hem. Suec.*, 1829, p. 105, pt. : Fieber, *Eur. Hem.*, p. 61, 238 : Walker, *Cat.*

Het., vi, p. 160 : Dougl. & Scott, *Brit. Hem.*, p. 276 : Renter, *Bih. Vet.-Aka.*

Handl., iii (i), 1875, p. 22 ; *id.*, *Rev. Caps.*, p. 96.

pteridis (*Capsus*), Fallen, *Mon. Cim.*, 1807, p. 105 : Germar, *Faun. Ins. Enr.*, Fasc.

10, 1813, t. 13 : Zett., *Ins. Lapp.*, p. 266 : F. Sahlb., *Geoc. Fenn.*, p. 124 : Kolenati,

Mel. Ent., ii, p. 129 : Meyer, *Rhyn. Schw.*, p. 114 : Flor, *Rhyn. Liv.*, i, p. 540 :

Fieb., *Eur. Hem.*, p. 238 : Dougl. & Scott, *Brit. Hem.*, p. 177, t. 10, f. 1 : Walk.,

Cat. Het., vi, p. 160 : Saund., *Syn.*, p. 278 : Renter, *Rev. Caps.*, p. 96.

pulcher, F. Sahlb., *Mon. Geoc.*, 1848, p. 93 (*form. macr.*).

Hab. Nearly all Europe.

Genus **CYRTOCAPSUS.**

Renter, *Caps. Americ.*, 1875, p. 78.

caliginus (*Capsus*), Stål, *Freg. Eug. Resa*, *Hem.*, 858, p. 258 : Renter, *Caps.*

Americ., 1875, p. 78 : Uhler, *List*, 19 : Walker, *Cat. Het.*, vi, p. 92.

Hab. California.

Genus **HETEROCORIS.**

Guérin, *Hist. Fis. Cuba*, vii, 1856, p. 168 : Walker, *Cat. Het.*, vi, p. 101 : Uhler, *List*, p. 19.

dilatatus, Guérin, *l. c. supra*, t. 13, f. 11 : Uhler, *List*, p. 19 : Walk., *Cat. Het.*, vi, p. 101.

Hab. Cuba.

jamaicensis, Walker, *Cat. Het.*, vi, 1873, p. 101.

Hab. Jamaica.

Genus **ECCRITOTARSUS.**

- Stål, Rio Janeiro Hem., i, 1858, p. 57 : Distant, Biol. Centr. Amer. Rhyn., p. 283 ;
Walker, Cat. Het., vi, p. 166.
- atratus, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 285, t. 26, f. 20.
Hab. Panama, Bugaba.
- crux-nigra, Stål, Rio Jan. Hem., i, 1858, p. 58 : Walk., Cat. Het., vi, p. 168.
Hab. Rio Janeiro.
- dimidiatus, Stål, *l. c.*, p. 57 : Walk. *l. c. supra*, p. 167.
Hab. Rio Janeiro.
- discifer, Stål, *l. c.*, p. 57 : Walk., *l. c. supra*, p. 167.
Hab. Rio Janeiro.
- discipennis, Stål, *l. c.*, p. 58 : Walk., *l. c. supra*, p. 168.
Hab. Rio Janeiro.
- elegans, Uhler, Ent. Am., iii, 1887, p. 149.
Hab. N. America.
- erythronotus, Berg, Hem. Arg., Add. Emend., 1884, p. 81.
Hab. Uruguay.
- Fairmairei, Stål, Rio Jan. Hem., i, 1858, p. 58 : Walk., Cat. Het., vi, p. 168.
Hab. Rio Janeiro.
- fulvicollis (*Capsus*), Fabr. Syst. Rhyng., 1803, p. 244 : Stål, Hem. Fabr., i, p. 85 :
Walk., Cat. Het., vi, p. 168.
Hab. S. America.
- generosus, Stål, Stettin. Ent. Zeit. xxiii, 1862, p. 323, ♂ : Walk., Cat. Het., vi,
p. 166 : Dist., Biol. Centr. Amer. Rhyn., p. 284, t. 22, f. 24 : Uhler, List, p. 19.
eucosmus, Stål, *l. c. supra*, p. 323 : Walk., Cat. Het., vi, p. 166.
Hab. Mexico, Guatemala, Zapote, San Isidro.
- genetivus, Distant, Biol. Centr. Am. Rhyn., 1883, p. 284, t. 22, f. 25.
Hab. Mexico.
- gibbus, Distant, *l. c.* p. 285.
Hab. Guatemala, Senahu.
- Holmbergii, Borg, Hem. Arg., Add. Emend., 1884, p. 83:
Hab. Buenos Ayres.
- hyalinus, Stål, Rio Jan. Hem., i, 1858, p. 58 : Walk., Cat. Het., vi, p. 168.
Hab. Rio Janeiro.
- incurvus, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 285, t. 26, f. 19.
Hab. Guatemala, San Geronimo, Corro Zunil.
- leucopus, Stål, Rio Jan. Hem., i, 1858, p. 58 : Walk., Cat. Het., vi, p. 168.
Hab. Rio Janeiro.
- longulus, Stål, *l. c.*, p. 58 : Walk., *l. c. supra*, p. 168.
Hab. Rio Janeiro.
- lutescens, Stål, *l. c.*, p. 57 : Walk., *l. c. supra*, p. 167.
Hab. Rio Janeiro.

mundulus, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 323 : Walk., Cat. Het., vi, p. 166 :
Distant, Biol. Centr. Amer. Rhyn., p. 285, t. 23, f. 19.

Hab. Mexico.

niger, Stål, Rio Jan. Hem., i, 1858, p. 58 : Walk., Cat. Het., vi, p. 168.

Hab. Rio Janeiro.

nigripes, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 284.

Hab. Mexico, Guatemala, Cubilguitz.

nigroeruciatus, Stål, Rio Jan. Hom., i, 1858, p. 57 : Walk., Cat. Het., vi, p. 167.

Hab. Rio Janeiro.

nigroplagiatus, Stål, *l. c.*, p. 57 : Walk., Cat. Het., vi, p. 167.

Hab. Rio Janeiro.

pallidirostris, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 323 : Walk., *l. c. supra*, p. 166 :

Distant, Biol. Centr. Am. Rhyn., p. 285, t. 23, f. 14 : Uhler, List, p. 19.

Hab. Mexico, Guatemala, San Geronimo, San Isidro.

pallidipes, Stål, Rio Jan. Hem., i, 1858, p. 57 : Hem. Fabr. i, p. 85 : Walk., *l. c. supra*, p. 167.

Hab. Rio Janeiro.

platensis, Berg, Hom. Arg. Add. Emend., 1884, p. 82.

Hab. Buenos Ayres.

purpurissatus, Berg, Hem. Arg., 1879, 131, 292.

Hab. Buenos Ayres.

ruficeps, Berg, *l. c.* p. 130, 189.

Hab.

semiluteus, Stål, Rio Jan. Hem., i, 1858, p. 57 : Walk., Cat. Het., vi, p. 167.

Hab. Rio Janeiro.

splendens, Distant, Biol. Contr. Amer., Rhyn., 1883, p. 284, t. 28, f. 1.

Hab. Panama, Bugaba.

venustus, Stål, Rio Jan. Hem., i, 1858, p. 58 : Walk., Cat. Het., vi, p. 168.

Hab. Rio Janeiro.

vestitus, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 284, t. 28, f. 2.

Hab. Guatemala, Pantaleon.

Genus **PSEUDOBRYOCORIS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 286.

bicolor, Distant, *l. c.*, p. 286, t. 28, f. 3.

Hab. Panama, Bugaba.

Genus **MONALOCORISCA.**

Distant, Biol. Contr. Amer. Rhyn., 1884, p. 286.

granulata, Distant, *l. c.*, p. 286, t. 28, f. 4.

Hab. Guatemala, San Geronimo.

ravida, Distant, *l. c.*, p. 286, t. 28, f. 5.

Hab. Panama, Volcano de Chiriqui.

Genus **CARMELUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 287, 297.

Carnus, Distant, *l. c.*, p. 287.

formosus, Distant, *l. c.*, p. 287.

Hab. Panama, Volcano de Aittlan.

funnebris, Distant, *l. c.*, p. 288.

Hab. Panama, Bugaba.

lunatus, Distant, *l. c.*, p. 287, t. 28, f. 6.

Hab. Panama, Volcano de Chiriqui.

parvus, Distant, *l. c.*, p. 287, t. 28, f. 7.

Hab. Gustemala, Las Mercedes.

Genus **PSEUDOCARNUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 288.

lineolatus, Distant, *l. c.*, p. 288, t. 28, f. 8.

Hab. Panama, Bugaba.

magnus, Distant, *l. c.*, p. 288, t. 28, f. 9.

Hab. Guatemala, Cerro Zunil.

Genus **PARACARNUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 289.

elongatus, Distant, *l. c.*, p. 289, t. 28, f. 25.

Hab. Panama, Bugaba.

Genus **NEOCARNUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 289.

vitreus, Distant, *l. c.*, p. 289, t. 29, f. 1.

Hab. Panama, Bugaba.

Genus **ANNONA.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 289, 297.

Ania, Distant, *l. c.*, p. 289.

bimaculata, Distant, *l. c.*, p. 290, t. 27, f. 25.

Hab. Guatemala, San Geronimo, Panama, Volcano de Chiriqui.

decoloris, Distant, *l. c.*, p. 290; *Mala id.*, t. 26, f. 23.

Hab. Panama, Volcano de Chiriqui.

Genus **FUNDANIUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 290.

albomaculatus, Distant, *l. c.*, p. 291, t. 28, f. 12.

Hab. Guatemala, Panajachel.

maculatus, Distant, *l. c.*, p. 291, t. 28, f. 10.

Hab. Guatemala, Cerro Zunil.

marginatus, Distant, *l. c.*, p. 291.

Hab. Guatemala, Cerro Zunil.

pallescens, Distant, *l. c.*, p. 291, t. 28, f. 11.

Hab. Guatemala, Quiche range.

rubricosus, Distant, *l. c.*, p. 291.

Hab. Guatemala, Cerro Zunil.

Genus **NEOFURIUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 292.

affinis, Distant, *l. c.*, p. 294.

Hab. Panama, Volcano de Chiriqui.

amethystus, Distant, *l. c.*, p. 293, t. 28, f. 15.

Hab. Panama, Bugaba.

argentatus, Distant, *l. c.*, p. 293.

Hab. Guatemala, San Geronimo, Panama, Volcano de Chiriqui.

auratus, Distant, *l. c.*, p. 292, t. 28, f. 14.

Hab. Guatemala, San Isidro.

decoratus, Distant, *l. c.*, p. 294, t. 28, f. 17.

Hab. Guatemala, San Geronimo.

denigratus, Distant, *l. c.*, p. 294.

Hab. Guatemala, San Isidro, Cerro Zunil.

hieroglyphicus, Distant, *l. c.*, p. 294, t. 28, f. 19.

Hab. Guatemala, Sinanja.

infumatus, Distant, *l. c.*, p. 294, t. 28, f. 18.

Hab. Guatemala, Pantaleon.

linearis, Distant, *l. c.*, p. 295, t. 28, f. 22.

Hab. Guatemala, San Geronimo, Marandilla.

ornandus, Distant, *l. c.*, p. 293.

Hab. Guatemala, La Tinta ; Panama, Tolé.

pallidulus, Distant, *l. c.*, p. 295, t. 28, f. 20.

Hab. Guatemala, Panajachel.

pictus, Distant, *l. c.*, p. 293, t. 28, f. 24 (Var. *Furius pictus*).

Hab. Mexico ; Guatemala, San Geronimo.

plagosus, Distant, *l. c.*, p. 295, t. 28, f. 21.

Hab. Panama, Volcano de Chiriqui.

scriptus, Distant, *l. c.*, p. 293, t. 28, f. 16.

Hab. Guatemala, Pantaleon.

variabilis, Distant, *l. c.*, p. 292.

Hab. Guatemala, San Geronimo, Cerro Zunil; Panama, Bugaba.

villosus, Distant, *l. c.*, p. 292, t. 28, f. 13.

Hab. Panama, Volcano do Chiriqui.

Genus **BIBACULUS.**

Distant, Biol. Centr. Amer., Rhyn., 1884, p. 295.

midestus, Distant, *l. c.*, p. 296, t. 28, f. 23, 24.

Hab. Guatemala, Sonahu, Las Mercedes.

Genus **MALA.**

Distant, Biol. Centr. Amer., Rhyn., 1884, p. 296.

ornata, Distant, *l. c.*, p. 296, t. 26, f. 22.

Hab. Panama, Bugaba, Volcano de Chiriqui.

unicolor, Distant, *l. c.*, p. 296, t. 26, f. 21.

Hab. Guatemala, San Isidro.

Genus **NEOSILIA.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 296, 297.

Silia, Distant, *l. c.*, p. 296.

cineracea, Distant, *l. c.*, p. 297, t. 27, f. 22 (*Silia id.*)

Hab. Panama, Volcano do Chiriqui.

sororia, Distant, *l. c.*, p. 297, t. 29, f. 2.

Hab. Guatemala, Cerro Zunil.

viduata, Distant, *l. c.*, p. 297, t. 27, f. 21 (*Silia id.*).

Hab. Panama, Bugaba.

Genus **CHIUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 297.

maculatus, Distant, *l. c.*, p. 297, t. 27, f. 23.

Hab. Guatemala.

Genus **PARACHIUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 298.

luteolus, Distant, *l. c.*, p. 298, t. 27, f. 24.

Hab. Guatemala, Cerro Zunil.

Genus **FALCONIA.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 298.

caduca, Distant, *l. c.*, p. 298, t. 29, f. 4.

Hab. Guatemala, Cerro Zunil.

poetica, Distant, *l. c.*, p. 298, t. 29, f. 3.

Hab. Guatemala, San Geronimo.

Genus **ANTIAS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 298.

sheneus, Distant, *l. c.*, p. 299, t. 29, f. 6.

Hab. Panama.

subaeratus, Distant, *l. c.*, p. 299, t. 29, f. 5.

Hab. Guatemala, San Geronimo.

Genus **FUSCUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 299.

crinitus, Distant, *l. c.*, p. 299, t. 29, f. 7.

Hab. Guatemala, Cerro Zunil.

Genus **NEOLUCON.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 299.

horribilis, Distant, *l. c.*, p. 300, t. 26, f. 24.

Hab. Panama, Bugaba.

Genus **SPARTACUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 300.

albatus, Distant, *l. c.*, p. 300, t. 26, f. 25.

Hab. Guatemala, Cerro Zunil.

Genus **TRYGO.**

Distant, Biol. Centr. Amer., Rhyn., 1884, p. 300.

imitationis, Distant, *l. c.*, p. 300, t. 29, f. 8.

Hab. Panama, Bugaba.

Genus **JORNANDES.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 301.

Championi, Distant, *l. c.*, p. 301, t. 29, f. 9.

Hab. Guatemala, Las Mercedes.

Genus **FLORUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 301.

insolitus, Distant, *l. c.*, p. 301, t. 29, f. 10.

Hab. Panama.

Genus **PIRITHOUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 302.

pallipes, Distant, *l. c.*, p. 302, t. 29, f. 11.

Hab. Guatemala, San Geronimo.

Genus **DACOTA.**

Uhler, Hayden Surv. Mont., 1872, p. 413.

hesperia, Uhler, *l. c.*, p. 414; Bull. Un. St. Surv., ii, 1876, p. 318.

Hab. Colorado, Dakota.

Genera of Doubtful Position.

Genus **DEMARATA.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 303.

villosa, Distant, *l. c.*, p. 303, t. 29, f. 14.

Hab. Guatemala.

Genus **AMBRACIUS.**

Stål, Rio Jan. Hem., i, 1858, p. 59.

Dufouri, Stål, *l. c.*, p. 59; Walk., Cat. Het., vi, p. 168.

Hab. Rio Janeiro.

phaleratus, Stål, *l. c.*, p. 59; Walk., *l. c. supra*, p. 169.

Hab. Rio Janeiro.

Genus **OLIGOBIELLA.**

Reuter, Ent. Mon. Mag., xxi, 1885, p. 201.

fuliginea (*Myrmedobia*), F. B. White, Proc. Zool. S. Lond., 1878, p. 466; Reuter, *l. c. supra*, p. 202.

Hab. St. Helena.

Div. V, **VALDASARIA**, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 242.

Genus **PIASUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 242; Uhler, List, p. 17.

illuminatus, Distant, *l. c.*, p. 242, t. 24, f. 17; Uhler, List, p. 17.

Hab. Mexico; Panama, Volcano de Chiriqui.

Genus **VALDASUS.**

Stål, Rio Jan. Hem., i, 1858, p. 56; Walk. Cat. Het., vi, p. 47; Distant, Biol. Centr. Amer., p. 243.

cerbereus, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 244.

Hab. Panama, Bugaba.

erebeus, Distant, *l. c.*, p. 244.

Hab. Panama, Bugaba.

famularis, Stal, Stettin. Ent. Zeit., xxiii, 1862, p. 321, ♀: Walk., Cat. Het., vi, p. 166: Distant, *l. c. supra*, p. 243, t. 24, f. 7: Uhler, List, p. 17.

Hab. Mexico.

funebri, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 244, t. 24, f. 8.

Hab. Panama, Bugaba.

marginicollis, Distant, *l. c.*, p. 243.

Hab. Panama, Volcano de Chiriqui, Bugaba.

rugosus, Distant, *l. c.*, p. 245, t. 24, f. 10.

Hab. Guatemala, Senahu.

Schonherri, Stål, Rio Jan. Hem., i, 1858, p. 56: Walk., Cat. Het., vi, p. 166.

Hab. Rio Janeiro.

stellatus, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 243.

Hab. Guatemala, San Juan in Vera Paz, Cubilguitz.

stygius, Distant, *l. c.*, p. 245, t. 24, f. 9.

Hab. Panama, Bugaba.

Genus **VANNIUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 245.

rubrovittatus, Distant, *l. c.*, p. 246, t. 24, f. 11.

Hab. Guatemala, Las Mercedes, Cerro Zunil; Panama, Volcano de Chiriqui.

Genus **EUCEROCORIS.**

Westwood, Trans. Ent. S. Lond., ii, 1835, p. 21, t. 2, f. 7.

basifer, Walker, Cat. Het., vi, 1873, p. 164.

Hab. Australia.

braconoides, Walker, *l. c.*, p. 164.

Hab. Australia.

guttulatus, Uhler, Ent. Am., iii, 1887, p. 150; List, p. 20.

Hab. N. America.

nigriceps, Westwood, Trans. Ent. S. Lond., ii, 1835, p. 22, t. 2, f. 7: Walk., Cat. Het., vi, p. 163: Uhler, List, p. 20.

Hab. ? Brazil.

WestwoodH, White, Trans. Ent. S. Lond., iii, 1833, p. 94: Walk., Cat. Het., vi, p. 163.

Hab. Sierra Leone.

Genus **MONALONION.**

Horr. Schöff., Wanz. Ins., ix, 1853, p. 168: Sign., Ann. Soc. Ent. Fr. (3 s.), vi, 1853, p. 500: Walker, Cat. Het., vi, p. 47, 161; Distant, Biol. Centr. Amer. Rhyn., p. 246.

annulipes, Signoret, Ann. Soc. Ent. Fr. (3 s.), vi, 1858, p. 50: Walk., Cat. Het., vi, p. 162: Dist., *l. c. supra*, p. 246, t. 23, f. 25, Var.: Uhler, List, p. 17.

Hab. Mexico; Guatemala, San Geronimo; Panama, Bugaba.

atratum, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 247, t. 24, f. 14.

Hab. Panama, Bugaba.

braconoides, Walker, Cat. Het., vi, 1873, p. 162.

Hab. Amazons.

dissimulatum, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 247, t. 24, f. 15.

Hab. Guatemala, San Isidro.

hilaratum, Distant, *l. c.*, p. 247, t. 24, f. 13.

Hab. Guatemala, San Geronimo.

ichneumonoides, Walker, Cat. Het., vi, 1873, p. 162.

Hab. Amazons.

parviventre, Horr. Schäff., Wanz., Ins., ix, 1853, p. 168, t. 312, f. 958: Walk., Cat. Het., vi, p. 161.

Hab. Brazil.

Schafferi, Stål, Rio Jan. Hem., i, 1858, p. 56: Walk., *l. c. supra*, p. 161.

Hab. Rio Janeiro.

versicolor, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 247, t. 24, f. 12.

Hab. Guatemala, Las Mercedes.

Genus **SINERVUS.**

Stål, Rio Jan. Hem., i, 1858, p. 56.

Barensprungi, Stål, *l. c.*, p. 56: Walk., Cat. Het., vi, p. 168.

Hab. Rio Janeiro.

Genus **DISPHINCTUS.**

Stål, Ofvers., K. V.-A., Förh., 1870, p. 668: Walk., Cat. Het., vi, p. 161.

divisus (*Monalonion*), Walker, Cat. Het., vi, 1873, p. 163.

Hab. Ternato.

Fallenii, Stål, Ofvers., K. V.-A., Förh., 1870, p. 668, t. 7, f. 6: Walk., Cat. Het., vi, p. 161.

Hab. Philippines.

Haglundii, Stål, *l. c.*, p. 668: Walk., *l. c. supra*, p. 161.

Hab. Philippinos.

humeralis (*Monalonion*), Walker, Cat. Het., vi, 1873, p. 162.

Hab. Malacca, Sikkim (mih).

politus (*Monalonion*), Walker, *l. c.*, p. 163.

Hab. Borneo, Sarawak.

Reuteri, Stål, Ofvers. K. V.-A., Förh., 1870, p. 668: Walk., Cat. Het., vi, p. 161.

Hab. Philippines.

Sahlbergii, Stål, *l. c.*, p. 668: Walk., *l. c. supra*, p. 161.

Hab. Philippines.

Genus **PACHYPELTIS.**

Signorot, Ann: Soc. Ent. Fr. (3 s.), 1858, p. 501.

chinensis, Sign., *l. c.*, p. 501: Walk., Cat. Het., vi, p. 164.

Hab. China.

Genus **HELOPELTIS.**

Signoret, Ann. Soc. Ent. Fr. (3 s.), 1858, p. 502: Walk. Cat. Het., vi, p. 165.

Aspicelus, Costa, Ann. Mus. Zool. Nap., ii, 1865, p. 147.

Antonii, Signoret, *l. c., supra*, p. 502, t. 12 (2), f. 2: Walker, Cat. Het., vi, p. 165: Waterhouse, Trans. Ent. S. Lond., 1886, p. 458, t. 11, f. 4: Trimen, Nature, xxx, p. 364.

Hab. Ceylon.

braconiformis, Walker, Cat. Het., vi, 1873, p. 165: Waterhouse, Trans. Ent. S. Lond., 1886, p. 459, t. 11, f. 5.

Dulichius? clavifer, Walker, Cat. Het., iv, 1871, p. 170.

Hab. Dorey.

Brady, Waterhouse, Trans. Ent. S. Lond., 1886, p. 458, t. 11, f. 1, 2.

Hab. Java.

collaris, Stål, Ofvers. Svenska V. A. Förh., 1870, p. 667: Walk. Cat. Het., vi, p. 123

Hab. Philippines.

niger, Walker, Cat. Hem., vi, 1873, p. 165: Waterh., *l. c. supra*, p. 459, t. 11, f. 6.

Hab. Waigion.

pellucida, Stål, *l. c. supra*, p. 667: Walk. Cat. Het., vi, p. 123: Walk., Cat. Het., vi, p. 123.

Hab. Philippines.

podagricus, Costa, Ann. Mus. Zool. Nap., ii, 1865, p. 147, t. 2, f. 6: Walker, Cat. Het., vi, p. 165.

Hab. ?

Romundei, Waterhouse, Trans. Ent. S. Lond., 1888, p. 207.

Hab. Java.

theivora (Moore), Waterhouse *l. c.*, 1886, p. 457, t. 11, f. 3.

Hab. Assam.

Genus **ORASUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 248.

robustus, Distant, *l. c.*, p. 248, t. 23, f. 13: Uhler, List, p. 17.

Hab. Mexico.

Genus **SYSINAS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 248.

audens, Distant, *l. c.*, p. 249, t. 24, f. 25.

Hab. Panama, San Lorenzo.

centralis, Distant, *l. c.*, p. 249, t. 25, f. 7.

Hab. Guatemala, Cerro Zunil.

clarus, Distant, *l. c.*, p. 249.

Hab. Panama, Matachin.

floridulus, Distant, *l. c.*, p. 249, t. 24, f. 24.

Hab. Panama, Bugaba.

linearis, Distant, *l. c.*, p. 248, t. 23, f. 21 : Uhler, List, p. 17.

Hab. Mexico.

Genus **ZOPYRUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 249.

luteofasciatus, Distant, *l. c.*, p. 250, t. 25, f. 9.

Hab. Costa Rica, Cache.

rubromaculatus, Distant, *l. c.*, p. 250, t. 25, f. 8.

Hab. Guatemala, Quiche range, Totonicapam.

Genus **ADMETUS.**

Distant, Biol. Centr. Amer., Rhyn., 1883, p. 250.

fimbriatus, Distant, *l. c.*, p. 250, t. 25, f. 10.

Hab. Panama, Volcano de Chiriqui.

Genus **OFELLUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 250.

praestans, Distant, *l. c.*, p. 251, t. 25, f. 11.

Hab. Guatemala, San Geronimo.

Div. VI, **CAPSARIA**, Reuter, Hem. Gymn. Eur., 1883, p. 566. Includes Div. *Miridaria*, *Loparia*, *Dioncaria*, *Phytocoraria* and *Capsaria*, Reuter *olim* (Bih. Svenska Handl. iii (i), 1875) ; also the genera *Pantilius*, Curtis (in *Miraria*, *olim*), *Odontoplatys*, Fieber, and *Epimecis*, Reuter.

Genus **PANTILIUS.**

Curtis, Ent. Mag., i, 1833, p. 197 : Spinola, Ess., p. 188 : Dougl. & Scott, Brit. Hem., p. 332 : Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 9 ; *id.*, Rev. Caps., p. 32.

Conometopus, Fieber, Crit. Gen., 1859, 20, t. 6, f. 1 : Eur. Hem., p. 64, 249.

prasinus (*Conometopus*), Fieber, Verh. Zool.-Bot., Ges. Wien, xx, 1870, p. 258 ♂ : Walk., Cat. Het., vi, p. 55.

Hab. S. Russia, Sarepta.

tunicatus (*Cimex*.), Fabr., Spec. Ins., ii, 1781, p. 396; Syst. Rhyng., p. 233 : Fallen, Mon. Cim., p. 79; *id.*, Hem. Succ., p. 85 : Germar, Fam. Ins. Eur., v, p. 23 : Curtis (*Pantilius*), Char. Gen. Spec., 1833, p. 197 : Spinola, Ess., p. 189 : Meyer (*Lopus*), Rhyn., Schw., p. 40 : Kirschb. (*Lopus*), Rhyn., Wiesb., p. 197 sp. 13 : Flor, Rhyn. Liv., i, p. 441 : Fieber (*Conometopus*), Eur. Hem., p. 249 : Dougl. & Scott, Brit. Hem., p. 333 : Walk., Cat. Het., vi, p. 54 : Saund., Syn., p. 262 : Rontler, Rev. Caps., p. 33; *id.*, Rev. Syn. Het., p. 245.

gothicus, Geoffr. in Fourcr., Ent. Par., 1785, p. 200 (*nec* Linn.).

Hab. Nearly all Europe. [*Atk.*, Yonno].

Genus **ALLORHINOCORIS.**

Reuter, Pet. Nonv. Ent., ii, no. 147, 1876, p. 33.

flavus, J. Sahlberg, Vet.-Aka. Handl., xvi (4), 1878, p. 24 : Reuter, *l. c. supra*, p. 33.

Hab. S. Russia, Sarepta; Siberia.

Genus **LOPUS.**

Hahu, Wanz. Ins., i, 1831, p. 143, t. 1, f. 4, B-E : Dougl. & Scott, Brit. Hem., p. 474 : Reuter, Rev. Caps., p. 34.

Horistus, Fieber, Eur. Hem., 1861, p. 66, 268.

Lopus, Fieber, *l. c.*, p. 66, 266.

australis, Walker, Cat. Het., vi, 1873, p. 57.

Hab. Anstralia.

bicolor, Fieber, Wien Ent. Monats., viii, 1864, p. 328 : Walk., Cat. Het., vi, p. 56 : Reut., Berlin. Ent. Zeits., xxix, 1885, p. 159.

sanguineus, Jakowleff, Bull. Mosc., lvi (4), 1882 p. 359.

Hab. Russia, Caucasus, Turkey.

bimaculatus, Jakowleff, Rev. Mens. d' Ent., 1884, p. 122.

Hab. Persia.

cingulatus, Fabr., Mant. Ins., 1787, p. 307; *id.*, Syst. Rhyng., p. 255 : Stål, Hem. Fabr., i, p. 89 : Walk., Cat. Het., vi, p. 53 : Reuter, Rev. Syn. Het., p. 245.

albomarginatus, Hahn, Wanz. Ins., i, 1831, p. 140, t. 22, f. 72 : Fieb., Eur. Hem., p. 267 : Costa, Cim. Reg. Neap. Cent., iii, 1852, 33.

albostratus (Klug), Burm., Handb., ii (i), 1835, p. 271 : Meyer, Rhyn. Schw., p. 40 : Kirschb., Rhyn. Wiesb., p. 198, sp. 15.

? *leucogrammus*, Gmelin, Syst. Nat., iv, 1788, p. 2165.

marginellus, Schrank, Fanna Boica, 1801, p. 94.

Hab. France, Spain, Italy, Germany [*Atk.* N. France].

fallax, Signoret, Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 570 : Walk., Cat. Het., vi, p. 56.

Hab. Chili.

P. filicornis, Fabr., Syst. Rhyng., 1803, p. 245 : Stål, Hem. Fabr., i, p. 89 : Walk., Cat. Het., vi, p. 56.

Hab. S. America.

flavomarginatus (*Cimex*), Donovan, Brit. Ins., vii, 1798, p. 79, t. 245 : Walk., Cat. Het., vi, p. 54 : Reuter, Rev. Syn. Het., p. 248.

mat, Saunders, Syn. Hem., 1875, p. 263 (*nec* Rossi).

miles, Dougl. & Scott, Brit. Hem., 1865, p. 476.

rubricosus, Garbiglietti, Bull. Soc. Ent. Ital., 1869, p. 184 : Walk. Cat. Het., vi, p. 75.

Hab. Britain, France [*Atk.*, Valenciennes].

gothicus (*Cimex*), Linn., Syst. Nat., (*ed.* 10), 1758, p. 447 : Fabr., Ent. Syst., iv, p. 180 ; *id.*, Syst. Rhyng., p. 244 : Wolff, Ic. Cim., i, 1800, p. 33, t. 4, f. 33 : Fallen, Mon. Cim., p. 98 ; *id.*, Hem. Snec., p. 117 : Hahn, Wanz. Ins., i, 1831, p. 12, t. 2, f. 5 : Burm., Handb. Ent., ii (i), p. 271 : Spinola (*Lopus*), Ess., p. 188 : Costa (*Phytocoris*), Cim. Regn. Noap. Cont., i, 1838, p. 49 : Meyer, Rhyn. Schw., p. 41 : Kolenati (*Lopus*), Mel. Ent., ii, p. 100 : Kirschb. (*Lopus*), Rhyn. Wiesb., p. 197, sp. 14 : Flor, Rhyn. Liv., i, p. 479 : Fieber, Eur. Hem., p. 267 : Dougl. & Scott, Brit. Hem., p. 475 : Walk., Cat. Het., vi, p. 53 : Sund., Syn., p. 263 : Reuter, Rev. Caps., p. 34 ; Ent. Mon. Mag., xvi, p. 12 ; *id.*, Rev. Syn. Het., p. 246.

albomarginatus, Preysslör, Beob. Böhmerwald, 1793, p. 219.

Lynchitidis, Schrank, Fauna Boica, 1801, p. 94.

sanguineoguttatus, Goeze, Ent. Beytr., ii, 1787, p. 275.

var. *superciliosus* (*Cimex*), Linn., Syst. Nat. (*ed.* 12), 1767, p. 728 : Walk., Cat. Het., vi, p. 53 : Reuter, Rev. Syn. Het., p. 247.

„ *gothicus*, var. B., Fieber, Eur. Hem., 1861, p. 267.

„ *albomarginatus*, Fabr., Syst. Rhyng., 1803, p. 244.

„ *affinis*, Jakowleff, Bull. Mosc., li (3), 1876, p. 115.

Hab. All Europe [*Atk.*, N. France, Hungary].

Grasieri, Puton and Reut., Rev. d'Ent., vii, 1888, p. 201.

Hab. Amuria.

Hahni, Stål, Rio Jan. Hom., i, 1858, p. 45 : Walk., Cat. Het., vi, p. 56.

Hab. Rio Janeiro.

infuscatus, Brullé, Exped. Morée, 1832, p. 77 : Fieber, Eur. Hem., p. 269 : Walk., Cat. Het., vi, p. 79 : Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 174.

rubrostriatus, Fieber, Eur. Hem., 1861, p. 268 (*nec* Herr. Schöff.).

Hab. Greece, Turkey.

insignis, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 31.

Hab. Pyrenees.

lineolatus, Brullé, Exped. Morée, 1832, p. 76, t. 31, f. 6, 7 : Fieb., Eur. Hem., p. 268 : Walk., Cat. Het., vi, p. 54 : Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 174.

consanguineus, Costa, Addit., 1860, p. 22-3, t. 3, f. 2.

rubrostriatus, Herr. Schöff., Wanz. Ins., iii, 1835, p. 45, t. 86, f. 260 : Walk., Cat. Het., vi, p. 54.

Hab. S. France, Italy, Greece.

mat (*Cimex*), Rossi, Faun. Etrusc., ii, 1790, p. 250, t. 7, f. 6 : Herr. Schöff., Nomo-

- nel. Ent., i, 1835, p. 51: Fiebor, Eur. Hem., p. 267: Walk., Cat. Hot., vi, p. 53: Renter, Rev. Syn. Het., p. 248.
erythromelas, Hahn, Wanz. Ins., iii, 1835, p. 6, t. 75, f. 231: Costa, Cim. Regn. Neap. Cent., iii, p. 34.
rubricosus, Garbig., Bull. Soc. Ent. Ital., i, 1869, p. 184: Walk., Cat. Het., vi, p. 75.
 Hab. Italy, Dalmatia, Turkey.
- oculatus*, Dahlbom, Ins. Gothl., Vot. Aka. Handl., 1850, p. 155.
 Hab. Scandinavia.
- ♀ *palliatu*s (*Lygacus*), Fabr, Ent. Syst., iv, 1794, p. 181; Syst. Rhyng., p. 245: Router, Rev. Syn. Het., p. 248.
 Hab. Morocco.
- partilus* (♀ *partitus*), Walker, Cat. Het., vi, 1873, p. 56.
 Hab. New Guinea.
- rufinasus*, Stål, Rio Jan. Hem., i, 1858, p. 45; Walk., Cat. Het., vi, p. 56.
 Hab. Rio Janeiro.
- sordidus*, Walker, Cat. Het., vi, 1873, p. 57.
 Hab. Australia.
- sulcatieornis*, Stål, Rio Jan. Hem., i, 1858, p. 46: Walk., Cat. Het., vi, p. 56.
 Hab. Rio Janeiro.
- suleatus*, Fieber, Enr. Hem., 1861, p. 268: Walker, Cat. Hot., vi, p. 54: Saund., Syn., p. 263.
 Hab. Britain, France, Spain [*Atk.*, Yonne].
- vittiventris*, Puton, Rev. d' Ent., ii, 1883, p. 14.
 var. *Leveillei*, Puton, Rev. d' Ent., vi, 1887, p. 101.
 Hab. Algiers.

Genus **HORVATHIA.**

- (*Horvathia*) Reuter, Berlin Ent. Zeit., xxv, 1881, p. 174; Zool. Jahr, Arthr., 1881, p. 274.
- hieroglyphica* (*Capsus*), Mulsant & Roy, Ann. Soc. Linn. Lyon. 1852, p. 126; Puton, Bull. Soc. Ent. Fr., (6 s.) i, 1881, p. cxlvii.
vittatus (*Lopus*), Horvath, Pot. Nouv. Ent., ii, No. 42, 1876, p. 15.
 Hab. Pyrenees, S. Hungary.

Genus **DIONCUS.**

- Fiebor, Crit. Gen., 1859, 34, t. 6, f. 9, 30; Eur. Hem., p. 67, 268: Ront. Bih. Vet.-Aka. Handl., iii (i), 1875, p. 10: Walk., Cat. Hot., vi, p. 42, 79.
- cruentatus* (*Miris*), Brullé, Exp. Morée, 1832, p. 78, t. 31, f. 8: (*Lopus*) Fieb. Eur. Hom., p. 268: Walk., Cat. Hot., vi, p. 54.
montivagus, Costa, Cim. Rogn. Neap. Cent. Addit, 1860.
 Hab. Greece, Italy [*Atk.*, Genoa].

neglectus (*Lygaeus*), Fabr., Ent. Syst. Supp., 1798, p. 542: *id.*, Syst. Rhyng. p. 241: Latreille, Hist. Nat., xii, p. 230: Fieber (*Dioncus*), Eur. Hem., p. 269: Walker, Cat. Het., vi, p. 97: Reuter, Rev. Syn. Het., p. 243.

var. *flavescens*, Ferrari, Hem. Agr. Ligust., 1874, p. 67.

„ *lateralis*, Ferrari, l. c., p. 67.

Hab. Dalmatia, Turkey,

Genus **MIRIDIUS.**

Fieber, Crit. Gen., 1859, g. 25: Eur. Hem., p. 65, 257: Walk., Cat. Het., vi, p. 52: Dougl. & Scott, Brit. Hem., p. 299.

pallidus, Hervath, Rev. d' Ent., vi, 1887, p. 72.

Hab. Illyria.

quadrivirgatus (*Capsus*), Cesta, Cim. Regn. Neap. Cent., iii, 1852, p. 22, f. 3:

Dougl. & Scott, Brit. Hem., p. 300, t. 10, f. 5: Saund., Syn., p. 266.

Hedenborgi (*Miris*), Stål, Ofvers Vet.-Aka. Förh., xii, 1855, p. 187.

virgatus, Fieber, Eur. Hem., 1861, p. 258: Walk., Cat. Het., vi, p. 52.

Hab. Britain, France, Spain, Italy, Rhodes, Syria [*Atk.*, S. France].

Genus **PALLACOCORIS.**

Reuter, Caps. Amer., 1875, p. 62: Uhler, List, p. 17.

suavis, Reuter, l. c. *supra*, p. 62: Uhler, List, p. 17.

Hab. Texas.

Genus **CLIVINEMA.**

Reuter, Caps. Amer., 1875, p. 63: Uhler, List, p. 17.

villosa, Reuter, l. c. *supra*, p. 63: Uhler, List, p. 17.

Hab. Texas.

Genus **RESTHENIA.**

Spinola, Ess., 1840, p. 184: Am. & Serv., Hist. Nat. Ins. Hémi., 1843, p. 280: Walk.

Cat. Het., vi, p. 105: Distant, Biol. Centr. Amer. Rhyn., p. 251: Reuter, Caps.

Amer., p. 64: Uhler, List, p. 17.

subg. *Callichila* and *Resthenia*, Reuter, l. c.

alternus, Walker, Cat. Het., vi, 1873, p. 111.

Hab. Rio Janeiro.

atrata, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 254.

Hab. Guatemala, San Gerónimo.

atripennis, Reuter, Caps. Amer., 1875, p. 65: Uhler, List, p. 17.

Hab. Texas.

atroluteus, Walker, Cat. Het., vi, 1873, p. 109.

Hab. Rio Janeiro.

- basalis*, Walker, *l. c.*, p. 108.
Hab. Rio Janeiro.
- bicolor*, Distant, *Biol. Centr. Amer. Rhyn.*, 1883, p. 256.
Hab. Guatemala, Zapote.
- bivittata*, Stål, *Rio Jan. Hem.*, i, 1858, p. 47: *Reut., Caps. Amer.*, p. 64: *Walk., Cat. Het.*, vi, p. 107.
Hab. Rio Janeiro.
- bivittis*, Stål, *Stettin. Ent. Zeit.*, xxiii, 1862, p. 318, ♀: *Walker, Cat. Het.*, vi, p. 98: *Distant, Biol. Centr. Amer. Rhyn.*, 1883, p. 256, t. 24, f. 21.
Hab. Mexico.
- bracteata*, Distant, *Biol. Centr. Amer. Rhyn.*, 1883, p. 254.
Hab. Panama, Bugaba.
- chiriquina*, Distant, *l. c.*, p. 253, t. 25, f. 3.
Hab. Panama, Volacano de Chiriqui.
- cinctipes*, Walker, *Cat. Het.*, vi, 1873, p. 109.
Hab. Rio Janeiro.
- cinnamomea*, Berg, *Hem. Arg.*, 1879, p. 125.
Hab. Argentine Republic, Misiones.
- circumcincta*, Say: *Uhler, List*, p. 17.
Hab. United States.
- circummaculata* (*Capsus*), Stål, *Ofvers. K. V.-A., Förh.*, xi, 1854, p. 236; *Freg. Eug. Resa, Hem.* p. 257: *Sign., Ann. Soc. Ent. Fr.*, (4 s.) iii, 1863, p. 572: *Walk., Cat. Het.*, vi, p. 107: *Reut., Caps. Amer.*, p. 64: *Berg, Hem. Arg.*, 1879, p. 126.
Hab. Chili, Buenos Ayres, Brazil.
- concinna*, Stål, *Rio Jan. Hem.*, i, 1858, p. 47: *Walk., Cat. Het.*, vi, p. 107: *Reut., Caps. Amer.*, p. 64.
Hab. Rio Janeiro.
- confraterna*, *Uhler, Hayden Mont. Surv.*, 1872, p. 411; *Bull. Un. St. Surv.*, ii, 1876, p. 318; iii, 1877, p. 415; *Proc. Bost. Soc. N. H.*, xix, 1878, p. 399; *List*, p. 17: *Glover, Rep. Agric. Un. St. for 1875, 1876*, p. 125, f. 31.
Hab. Colorado, Wisc., Ill., Maryland, &c.
- correntina*, Berg, *Hem. Arg.*, 1879, p. 127.
Hab. Argentine Repub., Corrientes.
- costalis*, Stål, *Rio Jan. Hem.*, i, 1858, p. 47: *Walk., Cat. Het.*, vi, p. 107: *Reut., Caps. Amer.*, p. 64.
Hab. Rio Janeiro.
- crueifera*, Berg, *Hem. Arg.*, 1879, p. 124.
Hab. Buenos Ayres.
- divisa* (*Capsus*), *Herr. Schöff., Wanz. Ins.*, ix, 1853, p. 167, t. 313, f. 960: *Walk., Cat. Het.*, vi, p. 91, 98: *Stål, Stettin. Ent. Zeit.*, xxiii, p. 317: *Distant, Biol. Centr. Amer. Rhyn.*, p. 258.
tetrastigma, *Herr. Schöff., Wanz. Ins.*, ix, 1853, p. 166, t. 313, f. 959: *Walk., Cat. Hem.*, vi, p. 97: see *Phytocoris scrupus*, Say.
Hab. Mexico.

crubescens, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 254.

Hab. Panama, Bngaba, Volcano de Chiriqui.

exornata, Distant, l. c., p. 257, t. 22, f. 20.

Hab. Mexico.

flavicosta, Berg, Hem. Arg., Add. Emend., 1884, p. 189.

Hab. Buenos Ayres.

flavonigra, Stål, Rio Jan. Hem., i, 1858, p. 46 : Walk., Cat. Het., vi, p. 107 : Reut., Caps. Amer., p. 64.

Hab. Rio Janeiro.

Gayi (*Capsus*), Spinola, Gay's Hist. Fis. Chili, vii, 1852, p. 184 : Sign., Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 571.

? *melanochra*, Herr. Schöff., q. v.

Hab. Chili, Valdivia.

grandis, Blanchard ; Reuter, Caps. Amer., p. 64.

dimidio-rufa, Stål, Ofvers. Vet.-Aka., Förh., xii, 1855, p. 186 : Walker, Cat. Het., vi, p. 106.

Hab. Brazil.

guatemalana, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 255, t. 25, f. 5.

Hab. Guatemala, Aceituno.

Hogbergi, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 317, ♂ : Walker, Cat. Het., vi, p. 98 : Distant, Biol. Centr. Amer. Rhyn., p. 254, t. 24, f. 20.

Hab. Mexico.

incertus, Walker, Cat. Het., vi, 1873, p. 111.

Hab. Tejnca.

insignis (*Capsus*), Say, Hem. New Harm. Ind., 1831, 22, No. 12 : Uhler., Bull. Un. St. Surv., ii, 1876, p. 318 ; List, p. 17.

Hab. Colorado, Atlantic region Un. States.

insitiva (*Capsus*), Say, Hem. New Harm. Ind., 1831, 21, 8 : Uhler, Proc. Bost. Soc., xix, 1878, p. 399 ; List, p. 17.

xanthomelas, Walker, Cat. Het., 1873, p. 92.

Hab. S. United States.

interpuncta, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 257, t. 22, f. 15 : Uhler List, p. 18.

Hab. Mexico.

latipennis, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 318 : Walker, Cat. Het., vi, p. 98 : Distant, Biol. Centr. Amer. Rhyn., p. 258, t. 22, f. 6, 7.

Hab. Mexico.

leprosus, Walker, Cat. Het., vi, 1873, p. 111.

Hab. Santarem.

luteiceps (*Capsus*), Stål, Freg. Eug. Resa, 1859, p. 257 : Walk., Cat. Het., vi, p. 107 : Reut., Caps. Amer., p. 64 : Berg, Hem. Arg., 1879, p. 126.

Hab. Buenos Ayres.

- luteigera*, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 317, ♂ : Walker, Cat. Het., vi, p. 98 : Distant, Biol. Centr. Amer. Rhyn., p. 252, t. 24, f. 19 : Uhler, List, p. 17.
Hab. Mexico.
- luteipes*, Stål, Rio Jan. Hem., i, 1858, p. 46 : Walk., Cat. Het., vi, p. 107 : Reut. Caps. Amer., p. 64.
Hab. Rio Janeiro.
- maculicollis*, Reuter, Caps. Amer. Rhyn., 1875, p. 65 : Uhler, List, p. 17.
Hab. Texas.
- marginanda*, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 258, t. 22, f. 16 : Uhler, List, p. 18.
Hab. Mexico, Oaxaca.
- melanochra* (*Capsus*), Herr. Schöff., Wanz. Ins. viii, 1848, p. 17, t. 254, f. 793 : Walk., Cat. Het., vi, p. 97, 107 : Distant, Biol. Centr. Amer. Rhyn., p. 252, t. 22, f. 4.
? *Gayi*, Spinola, Gay's Hist. Fis. Chili, vii, 1852, p. 184, 1 : Sign., Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 571.
picturatus, Blanchard, Gay's Chili, l. c., p. 143.
Hab. Mexico.
- mimica*, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 255.
Hab. Panama, Bugaba.
- montana*, Distant, l. c., p. 252, t. 25, f. 1.
Hab. Panama, Volcano de Chiriqui.
- montevideensis*, Berg, Hem. Arg., Add. Emend., 1884, p. 71.
Hab. Montevideo.
- montivaga*, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 256.
Hab. Panama, Volcano de Chiriqui.
- multifarior*, Berg, Hem. Arg., 1879, p. 292.
Hab. Buenos Ayres.
- nigricollis*, Reuter, Caps. Amer., 1875, p. 65 : Uhler, List, p. 17.
Hab. New Jersey.
- nigripennis*, Stål, Rio Jan. Hem., i, 1858, p. 46 : Walk., Cat. Het., vi, p. 106 : Reut., Caps. Amer., p. 64.
Hab. Rio Janeiro.
- nigritulus*, Walker, Cat. Het., vi, 1873, p. 112.
Hab. Charles Island.
- obscurans*, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 254, t. 25, f. 4.
Hab. Panama, Bugaba.
- obumbratus*, Walker, Cat. Het., vi, 1873, p. 111.
Hab. S. America, Petropolis.
- ornaticollis*, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 317, ♂ : Walk., Cat. Het., vi, p. 98 : Reut., Caps. Amer., p. 64 : Distant, Biol. Centr. Amer. Rhyn., p. 253, t. 22, f. 5 : Uhler, List, p. 17.
Hab. Mexico.

- pallida*, Berg, *Hom. Arg.*, 1879, p. 291, 375: (? *Phytocoris*), *Add. Emend.*, 1884, p. 70: *Exped. Rio Negro*, p. 82, t. 2, f. 4.
 Hab. Buenos Ayres.
- panamensis*, Distant, *Biol. Contr. Amer. Rhyn.*, 1883, p. 253, t. 25, f. 6.
 Hab. Panama, Matachin.
- parva*, Distant, *l. c.*, p. 258, t. 22, f. 18.
 Hab. Mexico.
- patruelis*, Stål, *Rio Jan. Hem.*, i, 1858, p. 47: *Walk., Cat. Het.*, vi, p. 107: *Reut., Caps. Amer.*, p. 64.
 Hab. Rio Janeiro.
- persignanda*, Distant, *Biol. Centr. Amer., Rhyn.*, 1883, p. 257, t. 22, f. 21: *Uhler, List*, p. 18.
 Hab. Mexico.
- picticollis*, Stål, *Stettin. Ent. Zeit.*, xxiii, 1862, p. 317, ♂: *Walk., Cat. Het.*, vi, p. 98: Distant, *Biol. Centr. Amer. Rhyn.*, p. 252, t. 22, f. 2: *Uhler, List*, p. 17.
 Hab. Mexico.
- plagigera*, Stål, *l. c. supra*, p. 316 ♂: *Walker, Cat. Het.*, vi, p. 98: *Reut., Caps. Amer.*, p. 64: Distant, *l. c. supra*, p. 251, t. 24, f. 18: *Uhler, List*, p. 17.
 Hab. Mexico; Honduras; Guatemala, Panama, Sinanja.
- platensis*, Berg, *Hem. Arg.*, 1879, p. 128.
 Hab. Buenos Ayres.
- plena*, Distant, *Biol. Centr. Amer., Rhyn.*, 1883, p. 255.
 Hab. Mexico.
- pullata* (*Phytocoris*) *Burm., Handb.*, ii (i), 1835, p. 271: *Dist. l. c. supra*, p. 252.
candens, Distant, t. 22, f. 3.
 Hab. Mexico, Oaxaca; Guatemala, Zapote.
- pyrrhomelaena*, Stål, *Rio Jan. Hem.*, i, 1858, p. 46: *Walk., Cat. Het.*, vi, p. 106; *Reut., Caps. Amer.*, p. 64.
Zetterstedti, Stål, *l. c. supra*, p. 46: *Walk., Cat. Het.*, vi, p. 106.
 Hab. Rio Janeiro.
- pyrrhula* (*Phytocoris*), *Burm., Handb. Ent.*, ii (i), 1835, p. 271: *Hahn, Wanz Ins.*, iii, 1835, p. 67, t. 94, f. 281: Stål, *Rio Jan. Hem.*, i, p. 46: *Walker, Cat. Het.*, vi, p. 106, 221: *Ronter, Caps. Amer.*, p. 64: *Berg, Hem. Arg., Add. Emend.*, 1884, p. 188.
 Hab. Brazil, Buenos Ayres.
- quadrinotatus*, *Walker, Cat. Het.*, 1873, p. 113.
 Hab. James Island (Galapagos).
- rubrovittata*, Stål, *Stettin. Ent. Zeit.*, xxiii, 1862, p. 318: *Reuter, Caps. Amer.*, p. 64: *Walker, Cat. Het.*, vi, p. 92: *Uhler, List*, p. 17.
 Hab. N. America, Texas.
- seminigra*, Stål, *Rio Jan. Hem.*, i, 1858, p. 46: *Walk., Cat. Het.*, vi, p. 106: *Reut., Caps. Amer.*, p. 64.
 Hab. Rio Janeiro.

- semivittata*, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 253, t. 25, f. 2.
Hab. Guatemala.
- spoliatus*, Walker, Cat. Het., vi, 1873, p. 112.
Hab. Galapagos.
- squalidus*, Walker, l. c., p. 110.
Hab. Rio Janeiro.
- stigmosa*, Berg, Hem. Arg., 1879, p. 123.
Hab. Buenos Ayres.
- subannulata*, Stål, Rio Jan. Hem., i, 1858, p. 47: Walk., Cat. Het., vi, p. 107:
Reuter, Caps. Amer., p. 64.
Hab. Rio Janeiro.
- sudata*, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 256, t. 22, f. 17: Uhler, List,
p. 17.
Hab. Mexico.
- thoracica*, Distant, l. c., 1883, p. 257, t. 23, f. 14: Uhler, List, p. 18.
Hab. Mexico.
- tibialis*, Walker, Cat. Het., vi, 1873, p. 109.
Hab. Rio Janeiro.
- univittata*, Berg, Hem., Arg., 1879, p. 291: Exped. Rio. Negro., p. 83.
Hab. Buenos Ayres.
- uruguayensis*, Berg, l. c., Add. Emend., 1884, p. 70.
Hab. Uruguay.
- vitticeps*, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 318, ♀: Walk., Cat. Het., vi, p. 98:
Distant, l. c. *supra*, p. 256, t. 24, f. 22.
Hab. Mexico.
- vittifrons*, Stål, l. c., p. 318, ♂: Walker, Cat. Het., vi, p. 98: Distant, Biol. Centr.,
Amer. Rhyn., p. 257, t. 24, f. 23.
Hab. Mexico.
- xanthophilus*, Walker, Cat. Het., 1873, p. 110.
Hab. Rio Janeiro.

Genus **ONCEROMETOPUS.**

- Reuter, Caps. Amer., 1875, p. 65.
- nigriclavus*, Reuter, l. c., p. 66: Uhler, List, p. 18.
Hab. Texas.
- ruber*, Reuter, l. c., p. 66: Uhler, l. c.
Hab. Texas.

Genus **LOPIDEA.**

- Uhler, Hayden Mont. Surv., 1872, p. 411; Proc. Bost. Soc. N. H., 1878, p. 405; List,
p. 18: Reut., Caps. Amer., p. 66: Distant, Biol. Centr. Amer., p. 258.

bellula, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 259.

Hab. Guatemala, San Isidro.

p. confluens (*Capsus*), Say, Hem. New Harm., 1831, 22; Compl. Writ., i, 1859, p. 342; Reut., Caps. Amer., p. 66; Uhler, List, p. 18.

Hab. Texas.

media (*Capsus*), Say, Het. New. Harm. Ind., 1831, 22 No. 11; Compl. Writ., i, 1859, p. 341; Uhler, Hayden Mont. Surv., p. 411; Wheeler Rep. Geogr. Expl. Un. St. V, Zool., 1875, p. 838; Bull. Un. St. Surv., ii, 1876, p. 317; iii, 1877, p. 414; Proc. Bost. Soc. N. H. xix, 1878, p. 406; List, p. 18; Reut., Caps. Amer., p. 66.

var. *robiniae*, Uhler, Proc. E. S. Phil., i, 1861, p. 24; Walk. Cat. Het., vi, p. 92.

Hab. New Jersey [Atk., United States].

scitula (*Capsus*), Walker, Cat. Het., vi, 1873, p. 99; Distant, Biol. Centr. Amer. Rhyn., p. 258, t. 23, f. 23; Uhler, List, p. 18.

Hab. Mexico, Oaxaca, Presidio; Guatemala, San Geronimo.

Genus **HADRONEMA.**

Uhler, Hayden Mont. Surv., 1872, p. 412; Dist., Biol. Centr. Amer., p. 259.

militaris, Uhler, Hayden, Mont. Surv., 1872, p. 412; *id.*, Wheeler, Rep. Geogr. Explor., v, Zool., 1875, p. 838, t. 42, f. 12; Bull. Un. Surv., ii, 1876, p. 317; iii, 1877, p. 415; Distant, Biol. Centr. Amer. Rhyn., p. 259, t. 22, f. 23.

Hab. Colorado, Utah, California, Mexico.

Genus **LOMATOPLEURA.**

Reuter, Caps. Amer., 1875, p. 67.

Caesar, Renter, *l. c.*, p. 67.

Hab. Pennsylvania.

Genus **PHYTOCORIS.**

Fallen, Hem. Suec., 1829, p. 83, pt.: Herr. Schöff., Wanz. Ins., iii, 1835, p. 36; Fieb. Eur. Hem., p. 65, 258; Dougl. & Scott, Brit. Hem., p. 301; Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 10; *id.*, Rev. Caps., p. 35.

Abeillei, Puton, Rev. d' Ent., iii, 1884, p. 85.

Hab. S. France, Spain.

adpersus, Spinola, Gay's Chili, vii, 1852, p. 194, 8; Sign., Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 567; Walk., Cat. Het., vi, p. 61.

marmoratus, Blanchard, Gay's Hist. Fis. Chili, vii, 1852, p. 194, 17.

Hab. Chili.

albicans, Reuter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 29.

Hab. Greece.

albinervis (Fitch), Walker, Cat. Het., vi, 1873, p. 92 (*ined.*).

Hab. New York.

- albofasciatus*, Fieber, Eur. Hem., 1861, p. 259 (*nec* Brullé): Walk., Cat. Het., vi, p. 58: Reuter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 31.
Hab. Switzerland.
- albofasciatus*, Brullé, Expl. Scient. Alg., Zool., iii, 1849, Hem., p. 83, t. 3, f. 6.
Hab. Algeria.
- Bergi*, n. n.
pallidus, Berg, Hem. Arg., 1879, p. 291, 375; Add. Emend., 1884, p. 70 (*nec* Rambur).
Hab. Buenos Ayres.
- bonaerensis*, Berg, Hem. Arg., Add. Emend., 1884, p. 69.
Hab. Buenos Ayres.
- brachymerus*, Renter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 18.
Hab. Algeria.
- breviusculus*, Renter, Caps. Amer., 1875, p. 68: Uhler, List, p. 18.
Hab. Texas.
- Chardonii*, Pnton, Rev. d' Ent., vi, 1887, p. 305.
Hab. Algeria, Bona.
- Chicotei*, Bolivar, Anal. Soc. Esp. N. H., x, 1881, p. 362.
Hab. Spain.
- citrinus*, Bolivar, l. c., p. 364.
Hab. Spain.
- ♀ *coccineus*, Spinola, Gay's Hist. Fis. Chili, vii, 1852, p. 185, t. 2, f. 10: Signoret Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 570: Walk., Cat. Het., vi p. 62.
Hab. Chili.
- ♀ *colon* (*Capsus*), Say: Uhler, List, p. 18.
Hab. United States.
- delicatulus*, Bolivar, Anal. Soc. Esp. N. H., x, 1881, p. 364.
Hab. Spain.
- dimidiatus*, Kirschbaum, Rhyn. Wiesb., 1855, p. 199, sp. 17; p. 282: Walk., Cat. Het., vi, p. 59: Reuter, Abo Hem., p. 167; *id.*, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 16; Ent. Mon. Mag., xiv, 1877, p. 32; Rev. Syn. Het., p. 249.
dubius, Dongl. & Scott., Brit. Hem., 1865, p. 305: Walk., Cat. Het., vi, p. 60.
♀ *inquinatus*, Fabr., Mant., Ins., 1787, p. 304; Syst. Rhyng., p. 236.
populi, Saund., Syn. 1875, p. 264, pt.
♀ *umbratilis*, Linn., Syst. Nat. (ed. 10), 1758, p. 448.
Hab. Nearly all Enrope.
- distinctus*, Douglas & Scott., Brit. Hem., 1865, p. 302: Walk., Cat. Het., vi, p. 60: Reuter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 14, t. 2, f. 1: Saund., Syn. p. 264.
Hab. Britain, Scandinavia.
- effictus*, Stål, Rio Jan. Hem., i, 1858, p. 48: Walk., Cat. Het., vi, p. 61.
Hab. Rio Janeiro.
- eximius*, Renter, Caps. Amer., 1875, p. 67: Uhler, List, p. 18.
Hab. Texas.

exoletus, Costa, Cim. Regn. Neap. Cent., iii, 1852, p. 35, f. 5.

Hab. S. France, Italy.

femoralis, Fieber, Eur. Hem., 1861, p. 260: Walk., Cat. Het., vi, p. 58: Renter, Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 20, t. 2, f. 3.

irroratus, Fieber, Crit. Phyt., 1859, sp. 3.

Hab. Corsica, Algeria.

Fieberi, Bolívar, Anal. Soc. Esp. Nat. Hist., x, 1881, p. 360.

Hab. Spain.

flammula, Reuter, Notis. Skpts pro Faun. Fl. Fenn., xiv, 1875, p. 332; Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 25.

Hab. Corsica.

hirsutulus, Flor, Rhyn. Liv., ii, 1861, p. 597: Reuter, Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 32, t. 2, f. 6.

Hab. Russia.

incanus, Fieber, Wien Ent. Monats., viii, 1864, p. 326: Walk., Cat. Het., vi, p. 59: Renter, Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 28.

Hab. S. Russia, Turkistan.

insignis, Reuter, Pet. Nouv. Ent., ii, no. 147, 1876, p. 33; *id.*, Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 26.

Hab. Caucasus.

intermedius, Renter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 14.

distinctus, Reuter, Rev. Caps., 1875, p. 37, (*nec* Dougl. & Scott).

Hab. Scandinavia.

intricatus, Flor, Rhyn. Liv., ii, 1861, p. 603: Ront., Caps. Syn., p. 5 *excl. syn.*; Rev. Caps., p. 41; Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 18.

Hab. N. & Middle Europe.

irroratus, Blanchard, Gay's Hist. Fis. Chili, vii, 1852, p. 193, 14: Sign. Ann. Soc. Ent. Fr., (4 s.), iii, p. 567: Walk., Cat. Het., vi, p. 62.

Hab. Chili.

Jakowleffi, Reuter, Pet. Nouv. Ent., ii, No. 147, 1876, p. 33; Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 24.

Hab. S. Russia, Saratov, Caucasus.

juniperi, Frey Gessner, MT. Schw. Ent. Ges., i, 1865, p. 302: Walk., Cat. Het., vi, p. 59: Reuter, Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 22, t. 2, f. 4.

Hab. France, Spain, Switzerland.

longipennis Flor, Rhyn. Liv., ii, 1861, p. 601: Reuter, Rev. Caps., p. 40; Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 16; Ent. Mon. Mag., xiv, 1877, p. 33: Thomson, Opusc. Ent. iv, 1874, p. 418: Saund., Syn. Brit. Hem., p. 264.

dimidiatus Fieber, Eur. Hem., 1861, p. 260 (*nec* Kirschb.): Dougl. & Scott, Brit. Hem., p. 307.

Hab. Scandinavia, Russia, Gormauy, Switzerland, France, Britain.

marmoratus (Fitch), Walkor, Cat. Het., vi, 1873, p. 61: *ined.*?

Hab. New York.

minor, Kirschbaum, Rbyn. Wiesb., 1855, p. 200, sp. 22, p. 285: Walk., Cat. Het., vi, p. 59: Reuter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 33, t. 2, f. 8.

Hab. Germany.

nesmia, Brullé, Ann. Soc. Ent. Fr., (2 s.) iv, 1846, p. 144: Explor. Scient. Alg., Zool., iii, p. 83.

Hab. Algeria.

? *miridioides*, Lethierry, Ann. Soc. Ent. Belg., xx, 1878, p. 38.

Hab. Spain.

Nowiekyi, Fieber, Verh. Zool.-Bot. Ges. Wien, xx, 1870, p. 261: Walk., Cat. Het., vi, p. 60: Reuter, Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 23, t. 2, f. 5.

Hab. Galicia.

obliquus, Costa, Cim. Begn. Neap. Cent., iii, 1852, p. 35, f. 4: Reut., Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 21.

artemisiae, Ferrari, Ann. Mus. Civ. Gen., vi, 1874, p. 177.

Hab. S. France, Italy. [*Atk. Stazzano*].

obscurus, Reuter, Notis. Skpts pro Fann. Fl. Fenn., xiv, 1875, p. 331; Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 20.

Hab. S. Franco.

obscorellus, Blanchard, Gay's Hist. Fis. Chili, vii, 1852, p. 192, 12: Sign., Ann. Soc. Ent. Fr., (4 s.), iii, 1863, p. 569: Walk., Cat. Het., vi, p. 61.

Hab. Chili.

obsoletus, Blanchard, *l. c. supra*, p. 194, 16: Sign., *l. c. supra*, p. 569: Walk., Cat. Het., vi, p. 61.

Hab. Chili.

pallidicornis, Reuter, Caps. Amor., 1875, p. 69: Uhler, List, p. 18.

Hab. Wisconsin.

pallidulus, Blanchard, Gay's Hist. Fis. Chili, vii, 1852, p. 193, 15: Sign., Ann. Soc. Ent. Fr., (4 s.), iii, p. 568: Walker., Cat. Het., vi, p. 61.

Hab. Chili.

? *pallidus*, Rambur, Fann. Andal., 1842.

Hab. Spain.

parvulus, Reuter, Ofvers. Finska Soc. Förh., xxii, 1880, p. 14.

Hab. Greece.

pilifer, Reuter, *l. c.* p. 13.

Hab. Greece, Asia Minor.

pini, Kirschbaum, Rhyneh. Wiesb., 1855, p. 200, sp. 21, p. 283: Fieb. Enr. Hem., p. 261: Dougl. & Scott, Ent. Mon. Mag., xi, p. 144: Walk., Cat. Het., vi, p. 59: Saund., Syn., p. 265: Reuter, Rev. Caps., p. 43; Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 19; Ent. Mon. Mag., xiv, 1877, p. 33.

crassipes, Flor, Rhynch., Liv., ii, 1861, p. 606: ? Dougl. & Scott, Brit. Hem., p. 309: Walk., Cat. Het., vi, p. 59: Reuter, Caps. Syn., p. 5.

? *minor*, Thomson, Opusc. Ent., iv, 1871, p. 418 (*nec* Kirschb.).

populi, Zetterstedt, Ins. Lapp., 1840, p. 273, excl. syn. (*nec* Linn.).

Hab. Scandinavia, Russia, Germany, Switzerland, France, Britain.

populi (*Cimex*), Linn., Syst. Nat., (ed. 10), 1758, p. 449: Fabr. Syst. Ent., 1775, p. 727; *id.*, Syst. Rhyng., p. 237: Fallen, Mon. Cim., p. 79; *id.*, Hem. Snec., p. 84: Burm. (*Phytocoris*), Handb. Ent., ii (i), p. 268: Westw., Intr. Mod. Class. Ins., ii, Syn., p. 122: F. Sahlb., Geoc. Fenn., p. 90: Kirschb., Rhyn. Wiesb., p. 198, sp. 16, p. 267: Flor. Rhyn. Liv., i, p. 413, ii, p. 594, pt: Fieber, Eur. Hem., p. 260: Walk., Cat. Het., vi, p. 59: Saund. Syn., p. 264: Reuter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 15; *id.*, Rev. Caps., p. 36; Rev. Syn. Het., p. 249.

Hab. Scandinavia, Britain, Russia, France, Germany.

puella, Reuter, Caps. Amer., 1875, p. 69: Uhler, List, p. 18.

Hab. New York.

punctipes (Fitch), Walker, Cat. Het., vii, 1873, p. 92, (*ined.*).

Hab. New York.

punctum, Reuter, Ann. Soc. Ent. Fr. (5 s.), vii, 1877, p. 30.

var. *Reuterianus*, Fairm., Rev. d' Ent., v, 1886, p. 355, Morocco.

Hab. Greece, Tunis.

purgator, Fabr., Ent. Syst. Suppl., 1798, p. 537; Syst. Rhyng., p. 200: Reut. Rev. Syn. Het., p. 251.

Hab.

Reuterii, Saunders, Syn., in Trans. Ent. S. Lond., 1875, p. 265; Reuter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 17.

Hab. Britain.

rubescens, Blanchard, Gay's Hist. Fis. Chil., vii, 1852, p. 191, 11: Sign., Ann. Soc. Ent. Fr., (4 s.), iii, 1863, p. 568: Walk., Cat. Het., vi, p. 61.

Hab. Chili.

rufulus, Blanchard, *l. c. supra*, p. 192, 13: Sign., *l. c. supra*, p. 568: Walk., Cat. Het., vi, p. 61.

Hab. Chili.

salsolae, Puton, Pet. Nouv. Ent., i, no. 109, 1874, p. 436: Reuter, Ann. Soc. Ent. Fr., (5 s.), vii, 1877, p. 27.

Hab. France, Spain, Algiers, Tunis.

scrupeus (*Capsus*), Say, Het. New Harm. Ind., 1831, 23, No. 13: Uhler, Bnll., Un. St. Surv., ii, 1876, p. 317: Walker, Cat. Het., vi, p. 97: Uhler, List, p. 18: Distant, Biol. Centr. Amer., Rhyn., p. 271.

externus, Herr. Schöff., Wanz. Ins., viii, 1848, p. 16, t. 254, f. 791: Walk., Cat. Het., vi, p. 91.

? *tetrastigma*, Herr. Schöff., *l. c.* ix, 1852, p. 166, t. 313, f. 959: *vido Dist. l. c. supra.*

Hab. S. United States, Mexico.

Signoretii, Perris, Ann. Soc. Linn. Lyon, iv, 1857, p. 163: Fieber, Eur. Hem., p. 258: Walk., Cat. Het., vi, p. 58: Reuter, Ann. Soc. Ent. Fr., (5 s.) vii, 1877, p. 31, t. 2, f. 7.

? *meridionalis*, Herr. Schöff., Nomencl. Ent., 1835, p. 48.

Hab. France, Spain, Italy, Greece, Germany.

Stoliczkanus, Distant, *Scien. Res.* 2nd Yark. Miss., 1879, p. 10, f. 6; *Trans. Ent. S. Lond.*, 1879, p. 124.

Hab. Murreo.

subvittatus, Stål, *Rio Jan. Hem.*, i, 1858, p. 47; *Walk., Cat. Het.*, vi, p. 61.

Hab. Rio Janeiro.

tibialis, Reuter, *Caps. Amer.*, 1875, p. 68; *Uhler, List*, p. 18.

Hab. Texas.

tiliae (*Cinex*), Fabr., *Gen. Ins.*, 1776, p. 301; *Syst. Rhyng.*, p. 237; *Fallen, Mon. Cim.*, p. 79; *id.*, *Hem. Suec.*, p. 85; *F. Sahlb., Geoc. Fenn.*, p. 98; *Kirschb., Rhyn. Wiesb.*, p. 199, sp. 18, p. 268; *Fiebor, Eur. Hem.*, p. 260; *Dougl. & Scott, Brit. Hom.*, p. 303; *Walk., Cat. Het.*, vi, p. 59; *Saund., Syn.*, p. 265; *Reuter, Ann. Soc. Ent. Fr.*, (5 s.) vii, 1877, p. 16; *id.*, *Ent. Mon. Mag.*, xiv, 1877, p. 33; *Rev. Syn. Het.*, p. 250.

populi, Moyer, *Rhyn. Schw.*, 1843, t. 7, f. 1 (*nec Linn.*).

var. *cretaceus*, Reuter, *Rev. Caps.*, 1875, p. 39.

„ *signatus*, Reuter, *l. c.*, p. 39.

„ *typicus*, Reuter, *l. c.*, p. 39.

„ *marmoratus*, *Dougl. & Scott, Ent. Mon. Mag.*, 1869, p. 261; *Walk., Cat.*

Het., vi, p. 60; *Reuter, Ann. Soc. Ent. Fr.*, (5 s.) vii, 1877, t. 2, f. 2.

Hab. All Europe [*Atk., Lille*].

trigonalis, Spinola, *Gay's Hist. Fis. Chili*, vii, 1852, p. 197, 20; *Sign., Ann. Soc. Ent. Fr.* (4 s.) iii, p. 569; *Walk., Cat. Het.*, vi, p. 62.

Hab. Chili.

ulmi (*Cinex*), *Linn., Syst. Nat.*, (ed. 10), 1758, p. 449; *Fabr., Syst. Ent.*, 1775, p. 727; *id.*, *Syst. Rhyng.*, p. 256; *Fallen, Mon. Cim.*, p. 82; *id.*, (*Phytocoris*), *Hem. Suec.*, p. 89; *Walk., Cat. Het.*, vi, p. 58; *Saund., Syn.*, p. 266; *Reuter, Ann. Soc. Ent. Fr.*, (5 s.) vii, 1877, p. 24; *Rev. Caps.*, p. 43; *Ent. Mon. Mag.*, xiv, 1877, p. 33; *Rev. Syn. Het.*, p. 250.

divergens, Meyer, *Stettin. Ent. Zeit.*, ii, 1841, p. 87; *id.*, *Rhyn. Schw.*, p. 44, t. 1, f. 1; *Kirschb. Rhyn. Wiesb.*, p. 199, sp. 19, p. 268; *Flor, Rhyn. Liv.*, i, p. 415; ii, p. 594; *Fieber, Eur. Hem.*, p. 259; *Dougl. & Scott, Brit. Hom.*, p. 311.

floralis, Fabr., *Mant. Ins.*, 1787, p. 303; *Stål, Hem. Fabr.*, i, p. 87; *Walk., Cat. Het.*, vi, p. 58 (*flavalis*, sic.).

longicornis, Wolff, *l. c. Cim.*, iv, 1804, p. 155, t. 15, f. 149; *Burm., Handb. Ent.*, ii (i), p. 269.

vividus, Fabr., *Syst. Rhyn.*, 1803, p. 237.

Hab. All Europe [*Atk., Lille*].

undulatus, Reuter, *Deutsche Ent. Zeits.*, xxi, 1877, p. 26.

Hab. Turkistan.

unicolor, Reuter, *Ofvers. Finska. Soc. Förh.*, xxii, 1880, p. 15.

Hab. Greeceo.

ustulatus, *Horr. Schöff., Nomencl. Ent.*, 1835, p. 47; *Fieb., Eur. Hem.*, p. 258; *Walk., Cat. Het.*, vi, p. 58; *Reuter, Ann. Soc. Ent. Fr.*, (5 s.) vii, 1877, p. 29.

Hab. Bohemia, N. Italy.

varicornis, Erichson, Wiegmann Arch., viii (2), 1842, p. 280.

Hab. Tasmania.

varipes, Bohem., Ent. Ant. Sodra Sverige, Vot. Aka. Handl., 1852, p. 107: Thoms.

Opusc. Ent. iv. p. 418: Reuter, Rev. Caps., p. 44: Saund., Syn. Brit. Hem., p. 265:

Reuter, Ann. Soc. Ent. Fr., (5 s.), vii, 1877. p. 26.

irroratus, Perris, Ann. Soc. Linn. Lyon, iv, 1857, p. 16.

ulmi, Hahn, Wanz. Ins., iii, 1835, p. 9, t. 76, f. 234 (*nec* Linu.: Meyer, Rhyn.

Schw., p. 43: Kirschb., Rhyn. Wiesb., p. 200, sp. 20: Flor, Rhyn. Livl.

i, p. 416; ii, p. 593: Fieber, Eur. Hem., p. 259: Dougl. & Scott, Brit.

Hem., p. 313.

Hab. Nearly all Europe [*Atk.* Dunkirk, Hungary].

Genus **COMPSOCEROCORIS.**

Reuter, Caps. Amer., 1875, 9, p. 70: Distant, Biol. Centr. Amer. Rhyn., p. 260:

Uhler, List, p. 18.

annulicornis, Reuter, Caps. Amer., 1875, 9, p. 70: Distant, Biol. Centr. Amer.

p. 261: Uhler, List, p. 18.

Hab. Texas, Guatemala, Panama.

dubitatus, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 260, t. 25, f. 12.

Hab. Guatemala, Quiche range.

elegans, Distant, *l. c.*, p. 261, t. 25, f. 14.

Hab. Guatemala, San Gerouimo.

exustus, Distant, *l. c.*, p. 260.

Hab. Guatemala, Quezaltenango.

mistus, Distant, *l. c.*, p. 262, t. 25, f. 15.

Hab. Guatemala, San Geronimo.

vilis, Distant, *l. c.*, p. 260, t. 25, f. 13.

Hab. Guatemala; Panama.

Genus **TAEDIA.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 262.

bimaculata, Distant, *l. c.*, p. 262, t. 25, f. 16.

Hab. Panama, Bugaba.

Genus **NEUROCOLPUS.**

Reuter, Caps. Amer., 1875, 9, p. 69; Dist., Biol. Centr. Amer. Rhyn., p. 262.

inops (*Phytocoris*), Uhler, Bull. Un. St. Surv., iii, 1877, p. 413; Proc. Bost. Soc.

N. H., 1878, p. 402; List, p. 18.

Hab. Canada to Maryland.

mexicanus Distant, Biol. Centr. Amer. Rhyn., 1883, p. 262, t. 23, f. 5.

? var. *affinis*, Distant, *l. c.*, p. 263.

Hab. Mexico, Guatemala, Panama.

nubilus (*Capsus*), Say, Hem. Het. New Harm. Ind., 1831, 22 No. 10; Compl. Writ., i, p. 341, 10: Reuter, Caps. Amer., 1875, p. 70: Uhler, Bull. Un. St. Surv., ii, 1876, p. 317; iii, 1877, p. 413; Proc. Bost. Soc. N. H., xix, 1878, p. 403; List, p. 18.

Hab. New York, Canada, Atlantic States, Texas, Mexico [*Atk.*, Un. St.].

Genus **PARACALOCORIS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 262: Uhler, List, p. 18.

annulatus, Distant, *l. c.*, p. 264.

Hab. Panama, Volcano de Chiriqui, Bugaba.

attenuatus, Distant, *l. c.*, p. 264.

Hab. Guatemala, San Geronimo; Panama, Bugaba.

balteatus, Distant, *l. c.*, p. 265, t. 25, f. 19.

Hab. Guatemala, San Geronimo.

fistulosus, Distant, *l. c.*, p. 264, t. 22, f. 11: Uhler, List, p. 18.

Hab. Mexico.

jurgiosus (*Calocoris*), Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 320, ♀: Walk., Cat.

Het., vi, p. 99: Distant, Biol. Centr. Amer. Rhyn., p. 263, t. 25, f. 17: Uhler, List, p. 18.

Hab. Mexico; Guatemala, Cerro Znnil.

lunatus, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 265, t. 25, f. 20.

Hab. Guatemala, San Geronimo.

mastrucatus, Distant, *l. c.*, p. 265, t. 25, f. 21.

Hab. Panama, Bugaba.

molliculus, Distant, *l. c.*, p. 265, t. 25, f. 18.

Hab. Guatemala, San Geronimo.

Genus **PAPPUS.**

Distant, Biol. Contr., Amer. Rhyn., 1883, p. 266.

sordidus, Distant, *l. c.*, p. 266, t. 25, f. 22.

Hab. Guatemala, San Geronimo.

Genus **GARGANUS.**

Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 321: Distant, Biol. Centr. Amer. Rhyn., p. 266: Uhler, List, p. 20.

albidivittis, Stål, *l. c. supra*, p. 322, ♀: Walk., Cat. Het., vi, p. 66: Distant, *l. c. supra*, p. 266, t. 25, f. 3: Uhler, List, p. 20.

Hab. Mexico, Guatemala, West. United States.

fusiformis (*Capsus*), Say, Compl. Writ., i, 1831, p. 344: Uhler, List, p. 20.

croceipes, Herr. Schöff., Wanz. Ins., viii, 1848, p. 16, t. 254, f. 792: Walker, Cat. Het., vi, p. 92.

Hab. Western United States, Pennsylvania.

Genus **ISCHNOCELICORIS.**

Reuter, Puton Explor. Scient. Tunis., 1886, p. 17.

Ischnoscelis, Reuter, Ofvers. Finska Soc. Förh., xxii, 1880, p. 15; Zool. Jahr., 1880, p. 140.

rubrinervis, Reuter, Puton, Explor. Scient. Tunis., 1886, p. 18.

Hab. Tunis, Algeria.

Genus **ALLOENOTUS.**

Fieber, Crit. Gen., 1859, 28, t. 6, f. 189; *id.*, Eur. Hem., p. 65, 261: Walk., Cat. Het., vi, p. 60: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 10.

distinguendus, Herr. Schöff., Wanz. Ins., iv, 1839, p. 33, t. 121, f. 384: Fieb., Eur. Hom., p. 262: Walk., Cat. Het., vi, p. 60.

var. *caspicus*, Horvath, Term. füz., viii, 1884, p. 316.

Hab. S. Russia, Transcancasia.

egregius, pt., Fieber, Wien Ent. Monats., viii, 1864, p. 327: Walk., Cat. Het., vi, p. 60.

Hab. S. Russia, Dalmatia.

fulvipes (*Cimex*), Scopoli, Ent. Carn., 1763, p. 134: Reuter (*Globiceps*), Caps. Syn., p. 13; *id.* (*Alloenotus*), Ent. Mon. Mag., xvii, 1880, p. 14; Rev. Syn. Het., p. 252..

avellanae, Gmelin, Syst. Nat., iv, 1788, p. 2183.

distinguendus, Fieber, Crit. Phyt., 1859, 28; Enr. Hém., p. 262 (*nec* llor., Schöff.).

var. *separandus*, Horvath, Rev. d' Ent., vii, 1888, p. 179.

? „ *egregius*, Fieber, var. B, Wien. Ent. Monats., viii, 1864, p. 327.

Hab. Turkey, Asia Minor.

Genus **CALOCORIS.**

Fieber, Eur. Hem., 1861, p. 65, 251: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1857, p. 11; Rev. Caps., p. 45: Distant, Biol. Centr. Amer. Rhyn. p. 266: Walker, Cat. Het., vi, p. 71, 105.

subg. *Calocoris*, Fieber, Reuter, *l. c. supra*.

[*Calocoris*, Fieber; *Closterotomus*, Fieber, Eur. Hom., p. 65, 261].

subg. *Homodemus*, Fieber, Eur. Hom., p. 64, 249.

Deraeocoris, Douglas & Scott, Brit. Hom., 1865, p. 315.

albonotatus, Jakowleff., Bull. Mosc., lvi (i), 1881, p. 194.

Hab. Persia.

alpestris, Moyer, Rhyn. Schw., 1843, p. 49: Fieber, Enr. Hem., p. 253: Walk., Cat. Het., vi, p. 73: Saund., Syn., p. 270: Reuter, Bih. Vet.-Aka. Handl., iii (1), 1875, p. 13; Berlin, Ent. Zeits., xxix, 1885, p. 46.

pabulinus, var. *major*, Schill. Hom. Het. Siles., 1829.

Hab. Nearly all Europe.

amoenus, Douglas & Scott, Ent. Mon. Mag., 1868, p. 115: Walk., Cat. Het., vi, p. 70, 76.

Hab. Syria.

- angularis* (*Homodemus*), Fieber, Wiou Ent. Monats., viii, 1864, p. 325: Walk., Cat. Het., vi, p. 71: Reuter, Berlin. Ent. Zeits., 1881, p. 175.
 var. *melanocephalus*, Reuter, l. c., p. 30.
 „ *biplagiatus*, Reuter, Deutsche Ent. Zeits., xxi, 1877, p. 30.
 Hab. Hungary, Greece, Turkey, Syria, Caucasus.
- annulicornis*, F. Sahlb., Mou. Geoc. Fenn., 1848, p. 100: J. Sahlb., K. Vet.-Aka, Handl., xvi (4), 1878, p. 26: Walker, Cat. Het., vi, p. 76: Fieb., Eur. Hem., p. 390.
 Hab. N. Europe, S. Siberia.
- annulus*, Brullé, Expod. Morée, iii (i), 1832: teste, Putou, Cat., p. 49.
 Hab. Greece.
- argentinus* (*Phytocoris*), Berg, Hem. Arg., 1879, p. 122: *id.*, Add. Emend., 1884, p. 72.
 Hab. Buenos Ayres.
- Beckeri*, Fieber, Verh. Zool.-Bot. Ges. Wien, xx, 1870, p. 259: Walk., Cat. Het., vi, p. 75.
 Hab. Russia.
- bielavatus* (*Capsus*), Herr. Schäffer, Nomencl. Ent., 1835, p. 48: Reuter, Ent. Mou. Mag., xiv, 1878, p. 244; Rev. Syn. Het., p. 254.
bifasciatus, Herr. Schäff., Wanz. Ins., iii, 1835, p. 48, t. 87, f. 265 (*nec* Fabr.): Meyer, Rhyn. Schw., p. 97; F. Sahlb., Geoc. Fonn., p. 121: Kirsehb., Rhyn. Wiesb., p. 208 sp. 35; p. 265: Flor, Rhyn. Liv., i, p. 488; Fieber (*Olosterotomus*), Eur. Hem., p. 261.
 ? *quadriguttatus*, Goeze, Ent. Beytr., ii, 1778, p. 275.
variegatus, Reuter, Caps. Syn., 1875, p. 5; *id.*, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 12; Rev. Caps., p. 48 (*nec* Costa).
 ? var. *Schillingi*, Scholtz, Arb. u. Veränd. d. Schles.-Ges., i, 1846, p. 108.
 Hab. Nearly all Europe [*Atk.*, Geneva].
- bimaeculatus* (*Capsus*), Fabr., Syst. Rhyng., 1803, p. 243: Stål, Hem. Fabr., i, p. 86: Walk., Cat. Het., vi, p. 105.
 Hab. S. America.
- bistriguttatus*, Fabr., Ent. Syst., iv, 1794, p. 174: Reuter, Rev. Syn. Het., p. 263.
 ? = *biclavatus*, Herr. Schäff., q. v.
 Hab. Germany.
- capitatus*, Jakowloff, Bull. Mosc., lii (2), 1877, p. 290.
 Hab. S. Russia, Saropta.
- cinetipes* (*Phytocoris*), Costa, Cim. Regn. Neap., Cent. iii, 1852, p. 41.
 Hab. Italy, Dalmatia, Greece.
- collaris*, Fieber, Verh. Zool.-Bot. Ges. Wien, xx, 1870, p. 239: Walk., Cat. Het., vi, p. 75: Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 175.
 var. *fuliginosus*, Reuter, Deutsche Ent. Zeits., xxi, 1877, p. 29.
 „ *fuscescens*, Reuter, l. c., p. 27.
 Hab. Italy, Hungary, Dalmatia, Greece, Syria.
- Costae*, Reuter, Wien. Ent. Zeit., vii, 1888, p. 99, 100.
 Hab. Armenia.

detritus, Fieber, Enr. Hem, 1861, p. 237: Walk. Cat. Het., vi, p. 74: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 12.

Hab. Hungary, France, Switzerland.

elegans, Reuter, Deutsche Ent. Zeits., xxi, 1877, p. 26.

Hab. Syria.

fasciatiiventris, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 320, ♀: Walker, Cat., vi, p. 99: Distant, Biol. Centr. Amor. Rhyn., p. 267, t. 25, f. 24: Uhler, List, p. 18.

Hab. Mexico, San Luis Potosi.

fasciatus, Jakowleff, Bull. Mosc., xlix (3), 1875, p. 167.

Hab. S. Russia.

Fedtschenkoi, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 199; Fedtsch. Turk., sep., 1887, p. 5; Wien Ent. Zeit., vii, 1881, p. 100.

Hab. Turkistan, Varsaminor.

Forsythi, Distant, Scien. resul. 2nd Yarkand Miss., 1879, p. 10, f. 8; Trans. Ent. S. Lond., 1879, p. 125.

Hab. Yarkand.

fulvomaculatus (*Cimex*), Do Geor, Mém., iii, 1773, p. 294: Fallen, Mon. Cim., p. 81: *id.*, Hem. Suec., p. 88: Zett., Faun. Lapp., p. 489: Herr. Schäff., Wanz. Ins., iii, p. 50, t. 87, f. 267 ♂; *ib.*, p. 81, t. 99, f. 302, ♀: Meyer, Rhyn. Schw., p. 96: Kolenati, Mel. Ent., ii, p. 109: F. Sahlb., Geoe. Fenn., p. 109: Costa, Cim. Regn. Neap. Cent., iii, p. 41: Kirschb., Rhyn. Wiesb., p. 209, sp. 36: Flor, Rhyn. Liv., i, p. 505: Fieber, Eur. Hem., p. 253: Douglas & Scott, Brit. Hem., p. 316: Walk., Cat. Het., vi, p. 72: Saund., Syn., p. 267: Reuter, Rev. Caps., p. 49; *id.*, Rev. Syn. Het., p. 255: Uhler, List, p. 18.

? *bimaculatus*, Linn., Syst. Nat. (ed. 10), 1758, p. 449.

distinguendus, Garbigl., Bull. Soc. Ent. Ital, 1869, p. 184: Walk., Cat. Het., vi, p. 75.

? *femoralis*, Lucas, Expl. Scient. Alg. iii, 1849, p. 82, t. 3, f. 4.

genistae, Sehrank, Fauna Boica, 1801, p. 87 (*nec* Scop.).

isabellinus, Westh., Jahresb. Westfäl. Prov. Ver. Wiss. u. Kunst., ix, 1883, p. 80.

Rolandri (Retzius), De Geer, Gen. & Spec., 1783, p. 88 (*nec* Linn.).

saltatorius, Fabr., Syst. Rhyng., 1803, p. 239, *excl. syn.*

seticornis, Sehrank, Fauna Boica, 1801, p. 89 (*nec* Fabr.).

Hab. Nearly all Europe: Canada [*Atk.*, Lillo].

fulvus, Jakowleff, Trudi. Ent. Ross., xiii, 1882, p. 170.

Hab. E. Siberia, Vladivostock.

Hedenborgi, Fieber, Verh. Zool.-Bot. Ges. Wien, xx, 1870, p. 258: Walk., Cat. Het., vi, p. 75; Reuter, Wien Ent. Zeit., vii, 1888, p. 100.

Hab. Bosporus.

hispanicus, Gmelin, Syst. Nat., iv, 1788, p. 2174: Reuter, Rev. Syn. Het., p. 256.

Carcelii, Lep. & Serv., Enc. Méth., x, 1825, p. 325: Dufour, Rech., 1833, p. 178, t. 10, f. 325: Brullé, Hist. Ins., 1835, p. 409, t. 33, f. 4.

nemoralis, Burm., Handb. Ent., ii (i), 1835, p. 269: Blanchard, Hist. Ins., p. 136.

ruficollis, Fabr., Ent. Syst., iv, 1794, p. 138 (?); *id.*, Syst. Rhyng., p. 244.
sevpunctatus, Fabr., Mant. Ins., 1787, p. 300 (*nom. praeoc.*): Hahn, Wanz.
 Ins., ii, p. 131, t. 70, f. 213-216: Costa, Cim. Regn. Neap., i, 1838, p. 51:
 Fieber, Eur. Hem., p. 253: Stål, Hem. Fabr., i, p. 86: Walk., Cat. Het.,
 vi, p. 73.

var. *coccineus*, Dufour, Recherch., 1833, p. 179.

„ *cuneatus*, Paton, Rev. d' Ent., vi, 1887, p. 102.

„ *nankineus*, Dufour, Recherch., 1833, p. 179.

„ *nigridorsum*, Costa, Cim. Regn. Neap. Cent. Addit., 1860, p. 38.

„ *nigrovittatus*, Costa, l. c. Cent., i, 1838, p. 51, f. 9.

„ { *piceus*, Cyrillo, Ent. Neap., 1787, t. 12, f. 5. ?

„ { *aterrimus*, Garbigl., Bull. Soc. Ent. Ital., 1869, p. 185: Walk., Cat. Het.,
 vi, p. 76.

„ { *rubromarginatus*, Lucas, Expl. Scient. Algerie, 1849, p. 81, t. 3, f. 3.

„ { *Zelleri*, Scott, Ent. Mon. Mag., xiii, 1876, p. 104. Palermo.

„ { *thoracicus*, Puton, Rev. d' Ent., iii, 1884, p. 148.

„ { *punicus*, Ferrari, Ann. Mus. Civ. Gen., (2 s.) i, 1884, p. 476.

Hab. S. Europe, Tunis.

histrio, Reuter, Deutsche Ent. Zeits., xxi, 1877, p. 27; Wien. Ent. Zeit., vii, 1888, p. 100.

Hab. Greece.

insularis, Horvath, Termes. Füz., iii, 1879, p. 147.

Hab. Japan, Nagasaki.

p. inustus, Distant, Biol. Centr., Amer. Rhyn., 1883, p. 267, t. 23, f. 17: Uhler, List, p. 18.

Hab. Mexico.

Jakowleffi, Reuter, Deutsche Ent. Zeits., xxi, 1877, p. 28: Fedtschonko's Turkistan, sep., p. 6.

Hab. Turkistan.

Kolenatii, Fieber, Wien Ent. Monats., viii, 1864, p. 219: Walk., Cat. Het., vi, p. 75.

Hab. Germany.

Krueperii, Reuter, Öfvers. Finska Soc. Förh., xxii, 1880, p. 16; Wien. Ent. Zeit., vii., 1888, p. 100.

Hab. Greece.

lineolatus (*Cimex*), Goezo, Ent. Beytr., ii, 1778, p. 267: Reuter, Rev. Syn. Het., p. 262.

albinus, Geoffroy in Fourcr. Ent. Paris., 1785, p. 208.

binotatus, Hahn, Wanz. Ins., i, 1831, p. 202, t. 33, f. 103.

? *bipunctatus*, Burm., Handb. Ent., ii (i), 1835, p. 270: Costa, Cim. Regn. Neap. Cent., iii, p. 260.

? *brevicollis*, Meyer, Rhyn. Schw., 1843, p. 47, t. 1, f. 4.

chenopodii (*Lygaeus*), Fallen, Mon. Cim., 1807, p. 74; *id.*, Hem. Snec., p. 77: Meyer, Rhyn. Schw., p. 51: Kolenati, Mel. Ent., ii, p. 113: Sahlb. Geoc. Fenn., p. 100: Kirschb., Rhyn. Wiesb., p. 217, sp. 51: Flor, Rhyn. Liv., i, p. 501: Fieber, Eur. Hem., p. 255: Dougl. & Scott, Brit. Hem., p. 325: Walk., Cat. Het., vi, p. 74: Sannd., Syn., p. 270: Reuter, Rev. Caps., p. 54, pt.; *id.* Fedtsch. Turk., p. 6.

laevigatus, Wolff, Ic. Cim., i, 1800, p. 36, t. 4, f. 36 (*nec* Linn.).

Hab. Nearly all Europe; Tunis, Turkistan [*Atk.*, Lillo, Stazzano, Hungary].

Meyeri, Kolenati, Mel. Ent. ii, 1845, p. 105, t. 11, f. 26: Fieb., Eur. Hem., p. 250: Walk., Cat. Het., vi, p. 71.

Hab. Caucasus.

M-flavum (*Cimex*), Goeze, Ent. Beytr., ii, 1778, p. 279: Reut., Rev. Syn. Het., p. 263.

marginellus, Fabr., Spec. Ins., ii, 1781, p. 374; *id.*, Syst. Rhyng., p. 255:

Burm., Handb. Ent., ii (i), p. 269: Meyer, Rhyn. Schw., p. 93: Kirschb.,

Rhyn. Wiesb., p. 210, sp. 38: Fieber, Eur. Hem., p. 250: Dougl. & Scott,

Brit. Hem., p. 328: Walk., Cat. Het., vi, p. 71: Sannd., Syn., p. 269.

scriptus, Fabr., Ent. Syst., iv, 1794, p. 182; *id.*, Syst. Rhyng., p. 247: Coq.

III. Ic., p. 41, t. 10, f. 13: Lep. & Serv., Enc. Méth., x, p. 325: Hahn,

Wanz. Ins., ii, p. 120, t. 66, f. 202.

striatus, Geoffr. in Fourcr., Ent., Par., 1785, p. 207 (*nec* Linn.).

Hab. Nearly all Europe [*Atk.*, Loire Inférieure].

nebulosus, Fieber, Wien Ent. Monats., viii, 1864, p. 326: Walk., Cat. Het., vi, p. 75.

Hab. Illyria.

nigricans, Distant, Biol. Centr. Amer., Rhyn., 1883, p. 267, t. 22, f. 22: Uhler, List, p. 18.

Hab. Mexico.

nigriceps, J. Sahlberg, K. Vet.-Aka. Handl., xvi (4), 1878, p. 25.

Hab. Siberia.

norvegicus (*Cimex*), Gmelin, Syst. Nat., iv, 1788, p. 2176: Reut., Rev. Syn. Het., p. 259.

? *biguttatus*, Schrank, Fanna Boica, 1801, p. 94.

bipunctatus, Fabr., Reise Norv., 1779, p. 346 (*nec* Linn.); *id.*, Syst. Rhyng.,

p. 235: Fallen, Mon. Cim., p. 75; *id.*, Hem. Snec., p. 78: Zett., Fauna

Lapp., p. 486: Herr. Schöff., Wanz., Ins., iii, p. 79, t. 98, f. 298: Meyer,

Rhyn. Schw., p. 51: Kirschb., Rhyn. Wiesb., p. 220, sp. 58: Flor,

Rhyn. Liv., i, p. 498: Fieb., Eur. Hem., p. 254: Dougl. & Scott, Brit.

Hem., p. 319: Walk., Cat. Het., vi, p. 73: Sannd., Syn., p. 270: Uhler,

Proo. Bost. Soc. N. H., xix, 1878, p. 400; List, p. 18: Reutor, Caps.

Amer., p. 71; Abo Hem., p. 168; Rev. Caps., p. 53, pt; Berlin. Ent.

Zeits., xxix, 1885, p. 46.

pabulinus, var. 1, 2, Scopoli, Ent. Carn., 1763, p. 132 (*nec* Linn.).

pabulinus, Rossi, Faun. Etrusc., ii, 1790, p. 251.

Hab. All Europe; Tunis; N. America, Texas [*Atk.*, Lille, Stazzano].

ochromelas (*Cimex*), Gmelin, Syst. Nat., iv, 1788, p. 2180: Reut., Rev. Syn. Het., p. 252.

cordiger, Schrank, Fanna Boica, 1801, p. 91 (*nec* Goeze).

luteus, Turton, Syst. Nat., ii, 1806, p. 682.

? *pulligo*, Harris, Exp. Engl. Ins., 1781, p. 89, t. 26, f. 4.

quadripunctatus, Vill., Ent. aucta, 1789, p. 535: Don., Br. Ins. iii, p. 77, t. 101, f. 1-3.

striatellus, Fabr., Ent. Syst., iv, 1794, p. 173; *id.*, Syst. Rhyng., p. 236:

- Wolff, 1c. Cim., iv, 1804, p. 156, t. 15, f. 150: Panzer, Faun. Germ., 93, 1804, f. 17: Fallen, Mon. Cim., p. 78; *id.*, Hem. Suec., p. 84: Zett., Fauna Lapp., p. 488: Hahn, Wanz. Ins., ii, p. 133, t. 71, f. 218: Meyer, Rhyn. Schw., p. 94: F. Sahlb., Geoc. Fenn., p. 105: Costa, Cim. Regn. Neap., Cent. iii, p. 263: Kirschb., Rhyn. Wiesb., p. 216, sp. 50: Flor, Rhyn. Liv., i, p. 492: Fieber, Enr. Hem., p. 251: Dougl. & Scott, Brit. Hem., p. 318: Walk., Cat. Het., vi, p. 71: Saund., Syn., p. 268: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 11; Rev. Caps., p. 46.
variegatus, Müller, Zool. Dan., 1776, p. 108 (*nom. praec.*).
var. fornicatus, Fieber, Wien. Ent. Monats., viii, 1864, p. 218: Dougl. & Scott, Brit. Hom., p. 329: Walk., Cat. Het., vi, p. 75.
 Hab. Nearly all Europe [*Atk.*, Lille, Hungary].
- opacus*, Walker, Cat. Het., vi, 1873, p. 100: Distant, Biol. Centr. Amer., Rhyn., p. 267, t. 22, f. 10: Uhler, List, p. 18.
 Hab. Mexico.
- Palmerii*, Uhler, Hayden Mont. Surv., 1872, p. 410; Wheeler, Rep. Geogr. Expl. Un. St. Zool., 1875, p. 838, t. 42, f. 4; Bull. Un. St. Surv., ii, 1876, p. 318; Proc. Bost. Soc. N. H., xix, 1878, p. 40; List, p. 18.
 Hab. West. Un. States, Arizona, S. Colorado.
- pilicornis*, Panzer, Faun. Germ., 1809, p. 99: Walker, Cat. Het., vi, p. 72: Kirschb., Rhyn. Wiesb., p. 222, sp. 61: Fieb., Enr. Hem., p. 252: Walk., Cat. Het., vi, p. 72: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 12.
antious, Muls. & Roy, Ann. Soc. Linn. Lyon, 1852, p. 116.
 Hab. France, Spain, Italy, Germany.
- princeps*, Reuter, Deutsche Ent. Zeits., 1880, p. 27: Ofvers. Finska Soc. Förh., 1880, p. 16.
 Hab. Greece.
- Putonii*, Horvath, Rev. d' Ent., vii, 1888, p. 180.
 Hab. Syria, Caffa.
- quadripunctatus* (*Lygaeus*), Fabr., Ent. Syst., iv, 1794, p. 172: Fieber, Eur. Hem., p. 256: Walker, Cat. Het., vi, p. 74: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 13; Rev. Syn. Het., p. 263.
 Hab. Nearly all Europe [*Atk.*, Calais].
- rapidus* (*Capsus*), Say, Hom. Het. New Harm. Ind., 1831, p. 20, 4: Uhler, Hayden Mont. Surv., 1872, p. 410; *id.*, Bull. Un. St. Surv., ii, 1876, p. 318: iii, 1877, p. 415; Proc. Bost. Soc. N. H., xix, 1878, p. 401; List, p. 18: Walk., Cat. Het., vi, p. 91: Forbes, Ill. Rep., xiii, p. 135, t. 14, f. 1, 2.
multicolor, Herr. Schöff, Wanz. Ins., viii, 1848, p. 19, t. 254, f. 795: Reut. Caps. Amer., 1875, p. 70.
 Hab. Colorado, Arizona, Texas, California, Wisconsin, Canada [*Atk.*, E. Florida].
- Reichelii*, Fieber, Weit. Beitr., i, 1836, p. 103, t. 2, f. 2; Eur. Hem., p. 257: Walk., Cat. Het., vi, p. 74: Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 12.
 Hab. Franco, Italy, Germany [*Atk.*, Styria].
- Reuterii*, Horvath, Term. Füz., v, 1882, p. 223: *var. in l. c.*, vii, 1883, p. 29.
 Hab. Caucasus, Broussa.

roseomaculatus (*Cimex*), De Geer, Mém., iii, 1773, p. 293: Baer, Cat., p. 14: Saund., Syn., p. 269: Reut., Rev. Caps., p. 52; Rev. Syn. Het. p. 260.

bistriatus, Goeze, Ent. Beytr., ii, 1778, p. 278.

campestris, Panzer, Schöff., Ic., 1804, p. 19.

cruentatus, Geoffr. in Foncr., Ent. Par., 1785, p. 208.

digrammus, Gmelin, Syst. Nat., iv, 1788, p. 2181.

ferrugatus, Fabr., Ent. Syst., iv, 1794, p. 173; *id.*, Syst. Rhyng., p. 236:

Fallen, Mon. Cim., p. 79; *id.*, Hem. Snec., p. 86: Hahn, Wanz. Ins., i,

p. 204, t. 33, f. 104: Bnrm., Handb. Ent., ii, p. 270: Meyer, Rhyn. Schwe.

p. 52: Kolenati, Mel. Ent., ii, p. 111: F. Sahlb., Geoc. Fenn., p. 104:

Costa, Cim. Regn. Neap., Cent. iii, p. 261: Kirschb., Rhyn. Wiesb.,

p. 217, sp. 53: Flor, Rhyn. Liv., i, p. 496: Fieb., Eur. Hem., p. 250:

Dongl. & Scott, Brit. Hem., p. 327; Walk., Cat. Het., vi, p. 70.

♀ *pabulinus*, var. 3, Scop., Ent. Carn., 1763, p. 132.

rosatus, Schrank, Naturh. Bem., 1796, p. 213: Fanna Boica, ii, p. 90.

sauciatus, Gmelin, Syst. Nat., 1788, p. 2191.

succinctus, Turton, Syst. Nat., ii, 1806, p. 694.

Hab. Nearly all Europe [*Atk.*, Dunkirk].

rhaeticus (*Capsus*), Meyer, Renter, Rev. Mons. d' Ent., i, 1884, p. 213: Wion. Ent. Zeit., vii, p. 99.

lineolatus, Costa, Cim. Regn. Neap. Cent. iii, 1852 (*nec* Goeze).

palmévi (*Pycnopterna*), Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 14;

id., Verh. Zool.-Bot. Ges. Wien, xxv, 1876, p. 86.

Hab. France, Italy, Noric Alps, Hungary, Germany.

rubripes, Jakowleff, Bull. Mosc., li (3), 1876, p. 115.

Hab. E. Siberia, Ussuri.

rubrinervis (*Capsus*), Herr. Schöff., Nomencl. Ent., i, 1835, p. 49: Renter, Berlin. Ent. Zeits., xxix, 1885, p. 40.

instabilis, Fieber, Eur. Hem., 1861, p. 255: Walk., Cat. Het., vi, p. 74.

Hab. Spain, Tunis, Algeria, Syria.

salviae (*Phytocoris*), Hahn, Wanz. Ins., ii, 1834, p. 133, t. 71, f. 217: Meyer, Rhyn. Schw., p. 95: Renter, Rev. Syn. Het., p. 257.

affinis, Herr. Schöff., Nomencl. Ent., 1835, p. 49: Kirschb., Rhyn. Wiesb.,

p. 210, sp. 39, p. 269, 271: Fieber, Eur. Hem., p. 254: Walk., Cat. Het.,

vi, p. 73.

pabulinus, Schrank, Verzeich. Ins. Ber., 1785, p. 340 (*nec* Linn.): Meyer, Rhyn. Schw., p. 48, t. 1, f. 5.

Hab. Europe [*Atk.*, Ardentes, Indre].

Samojedorum, J. Sahlberg, K. Vet.-Aka. Handl., xvi (4), 1878, p. 24.

Hab. N. W. Siberia.

Schmidtii, Fieber, Weit. Beit., i, 1836, p. 102, t. 2, f. 1.

bimaculatus, Herr. Schöff., Nomencl. Ent., 1835, p. 51; Wanz. Ins., vi, p. 48,

t. 196, f. 607: Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 11: Glover,

Rep. Agric., Un. St. for 1875, p. 152, f. 32: Fieb., Eur. Hem. p. 252: Walk.,

Cat. Het., vi, p. 72.

tetraphlyctis, Garbigl., Bull. Soc. Ent. Ital., i, 1869, p. 184: Walk., Cat. Het., vi, p. 75.

Hab. France, Italy, Germany, Russia: N. America.

Sedillotii, Puton, Expl. Scient. Tunisie, 1886, p. 19.

Hab. Tunis.

semiopacus, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 267, t. 22, f. 9: Uhler, List, p. 18.

Hab. Mexico.

seticornis (*Cimex*), Fabr., Syst. Ent., 1775, p. 725; *id.*, Syst. Rhyn., p. 244: Wolff, Ic. Cim., iv, 1804, p. 158, t. 16, f. 152: Burm., Handb. Ent., ii (i), p. 269: Costa, Cim. Regn. Neap. Cent. i, p. 52: Kolenati, Mel. Ent., ii, p. 114: Fiob., Eur. Hem., p. 257: Dougl. & Scott, Brit. Hem., p. 324: Walk., Cat. Het., vi, p. 74: Saund., Syn., p. 267: Reuter, Rev. Caps., p. 50; *id.*, Rev. Syn. Het., p. 258.

apicalis, Hahn, Wanz. Ins., i, 1831, p. 220, t. 35, f. 114.

bimaculatus, Sulzer, Kenntz. Ins., 1761, p. 28, t. 11, f. 76 (*nec* Linn.).

exoletus, Gmelin, Syst. Nat., iv, 1788, p. 2165.

gothicus, var., Schrank, En. Ins. Anstr., 1781, p. 205.

hirtus, Schrank, Fanna Boica, 1801, p. 81.

lateralis, Fallen, Hem. Suec., 1829, p. 88: Zett., Ins. Lapp., p. 273: Meyer, Rhyn. Schw., p. 95: F. Sahlb., Geog. Fenn., p. 108: Kirschb., Rhyn.

Wiesb., p. 218, sp. 54: Flor, Rhyn. Liv., i, p. 503.

tibialis, Wolff, Ic. Cim., iii, 1802, p. 117.

Hab. All Europe [*Atk.*, Lille, Hungary].

sexguttatus (*Cimex*), Fabr., Gen. Ins., 1776, p. 299: Fallen, Mon. Cim., p. 80; *id.*, Hem. Suec., p. 86: Herr. Schöff., Wanz. Ins., iii, p. 77, t. 97, f. 295: Meyer, Rhyn. Schw., p. 92: Kolenati, Mel. Ent., ii, p. 106: Flor, Rhyn. Liv., i, p. 494: Fieb., Eur. Hem., p. 252: Dougl. & Scott, Brit. Hem., p. 322: Walk., Cat. Het., vi, p. 72: Saund., Syn. p. 268: Reut., Rev. Caps., p. 47; Rev. Syn. Het., p. 253.

? *semmaculatus*, Müller, Zool. Dan., 1776, p. 108.

? *termaculatus*, Goeze, Ent. Beytr., ii, 1778, p. 267.

? *ternatus*, Geoffr. in Fourcr., Ent. Par., 1785, p. 206.

Hab. All Europe [*Atk.*, France].

stigmosus (*Resthenia*), Berg, Hem. Arg., 1879, p. 123; Add. Emend, 1884, p. 72.

Hab. Buenos Ayres.

Stoliczkanus, Distant, Scient. Res. 2nd Yarkand Miss., 1879, p. 10, f. 7: Trans. Ent. S. Lond., 1879, p. 124.

Hab. Yarkand.

sulphureus, Renter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 32.

Hab. Spain, Italy.

superbus, Uhler, Wheeler, Geog. Explor. Un. St. v, 1875, p. 838, t. 42, f. 3; Proc. Bost. Soc. N. H., 1878, p. 401; List, p. 18.

Hab. Arizona, California.

suturalis, Jakowleff, Trudi. Ent. Ross., xiii, 1882, p. 169.

Hab. Amnria.

- tegularis*, Puton, Rev. d' Ent., vii, 1888, p. 364.
Hab. Ghardaia, Laghouat, N. Africa.
- tenebrosus*, Reuter, Pet. Nouv. Ent., No. 136, 1875, p. 544.
Hab. Siberia.
- ticinensis*, Meyer, Rhyu. Schw., 1843, p. 100, t. 6, f. 1 : Fieb., Enr. Hem., p. 256 :
Dougl. & Scott, Brit. Hem., p. 330 ; Saund., Syn., p. 269.
haemorrhous, Costa, Cim. Regn. Neap. Cent. iii, 1852.
Henkei, Jakowleff, Bull. Mosc. xlix (3), 1875, p. 165.
Hab. S. Europe, Astrakhan.
- tinctus*, Distant, Biol. Centr. Amer. Rhyu., 1883, p. 367, t. 22, f. 8 : Uhler, List,
p. 18.
Hab. Mexico.
- triannulatus*, Stål, Stettin Ent. Zeit., xix, 1858, p. 183, ♀ : Walk., Cat. Het., vi,
p. 89.
Hab. Siberia, Irkntsk.
- tricolor*, Scott, Traus. Ent. S. Lond., 1880, p. 313.
Hab. Japan.
- trivialis*, Costa, Cim. Regn. Neap. Cent. iii, 1852 : Fieber, Eur. Hem., p. 255 :
Walk., Cat. Het., vi, p. 73.
var. *limbicollis*, Renter, Deutsche Ent. Zeits., xxi, 1877, p. 29.
Hab. Italy, Corsica, Greece, Turkey.
- tucumanus*, Berg, Hem. Arg. Add. Emend., 1884, p. 72.
Hab. Buenos Ayres.
- vandalicus*, Rossi, Faun. Etrusc., ii, 1790, p. 249 : Fieb., Enr. Hem., p. 256 : Walk.
Cat. Het., vi, p. 74 : Reut., Rev. Syn. Het., p. 257.
binotatus, var. *A.*, Blanch., Hist. Ins., 1840, p. 137.
bipunctatus *Ab. a.*, Burm., Handb., ii (i), 1835, p. 270.
? *fraxini*, Fabr., Ent. Syst., iv, 1794, p. 172 ; Syst. Rhyng., p. 236 : Herr.
Schäff., Wanz. Ins., iii, p. 82, t. 99, f. 303 : Kolenati, Mel. Ent., ii, p. 112.
taeniotoma, Costa, Cim. Regn. Neap. Cent., iii, 1852, p. 36, t. 7, f. 9.
var. *humuli*, Schummel in Scholtz Prodr. in Arb. u. Veränd. d. Schles. Ges.,
1846, p. 126 : Bähr., Cat., p. 14.
Hab. S. Europe [*Atk.*, Stazzano, Hungary].
- ventralis*, Renter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 32.
Hab. France, Corsica, Italy, Germany [*Atk.*, Genoa].
- venustus*, Fieber, Eur. Hem., 1861, p. 254 : Walker, Cat. Het., vi, p. 73.
Hab. Spain.
- vicinus*, Horvath, Pet. Nouv. Ent. ii, No. 142, 1876, p. 15 : Renter, Berlin. Ent.
Zeits., xxv, 1881, p. 175.
fulvomaculatus, var., Herr. Schäff., Wanz. Ins., vi, 1842, p. 35, t. 192, f. 593.
Hab. Hungary.

Genus **CALONDAS.**

Distant, Biol. Centr. Amer. Rhyu., 1883, p. 268.

fasciatus, Distant, *l. c.*, p. 268, t. 26, f. 1.

Hab. Panama, Bugaba.

superbus, Distant, *l. c.*, p. 268, t. 23, f. 22.

Hab. Mexico, Guatemala, Cerro Zunil; Panama.

testaceus, Distant, *l. c.*, p. 269, t. 26, f. 2.

Hab. Costa Rica, Irazn.

Genus **PACHYPTERNA.**

Fieber, *Crit. Gen. Phyt.*, 1859, 18; *Enr. Hem.*, p. 63, 247; *Walk., Cat. Het.*, vi, p. 68; *Reut., Caps. Amer.*, p. 13; *Bih. Vet.-Aka. Handl.*, iii (i), 1875, p. 13.

Fieberi (Sohmidt), *Fieb., Crit.*, 1859, sp. 1; *Eur. Hem.*, p. 248.

Hab. Krainer Alps.

Genus **MEGACAEELUM.**

Fieber, *Crit. Gen.*, 1859, 21; *Eur. Hem.*, 1861, p. 64, 249; *Stål, Hem., Afric.*, iii, p. 18; *Reuter, Bih. Vet.-Aka. Handl.*, iii (i), 1875, p. 14; *Rev. Caps.*, p. 56; *Walk. Cat. Het.*, vi, p. 42.

apicale, *Reuter, Ofvers. Finska Soc. Förh.*, xxv, 1884, p. 30.

Hab. Addah, W. Africa.

brevirostre, *Reuter, Ofvers. Finska Soc. Förh.*, xxi, 1879, p. 200; *Fedtsch. Turk.*, p. 7.

Hab. Turkistan.

elegantulum, *Jakowleff, Hor. Ent. Ross.*, xix, 1885, p. 124.

Hab. Turkistan, Achal Tekke.

elongatum, *Lethierry, Ann. Mus. Civ. Gen.*, xvi, 1881, p. 293.

Hab. Abyssinia, Shoa.

flicorne (*Capsus*), *Walker, Cat. Het.*, vi, 1873, p. 96; *Uhler, List*, p. 18.

Hab. E. Florida.

grossum, *Uhler, Ent. Amer.*, iii, 1887, p. 70; *List*, p. 18.

Hab. N. America.

hottentotum (*Phytocoris*), *Stål, Ofvers. Vet.-Aka. Förh.*, 1855, p. 36; *Hem. Afric.*, iii, 1865, p. 18; *Walk., Cat. Het.*, vi, p. 114.

Hab. Caffraria.

infusum (*Capsus*), *Herr. Schöff., Wanz. Ins.*, iv, 1839, p. 30, t. 120, f. 381; *Kirschbaum, Rhyn. Wiesb.*, p. 215, sp. 49; *Thomson, Opusc. Ent.*, iv, 1871, p. 421; *Fieber, Eur. Hem.*, p. 249; *Dongl. & Scott, Brit. Hem.*, p. 331?; *Walk., Cat. Het.*, vi, p. 70; *Saund., Syn.*, p. 270; *Reuter, Rev. Caps.*, p. 56; *id., Berlin. Ent. Zeits.*, xxv, 1881, p. 176.

Lethierryi, *Fieber, Verh. Zool. Bot. Ges. Wion.*, xx, 1870, p. 260; *Walk., Cat. Het.*, vi, p. 75.

rubidum, *Garbigl., Bnll. Soc. Ent. Ital.*, i, 1869, p. 185; *Walker, Cat. Het.*, vi, p. 75.

validicorne, *Bohom., Nya Svenska Hem.*, 1852, p. 14, sp. 19.

- var. *ruficeps*, Reuter, Ofvers. Finska Soc. Förh., xxii, 1880, p. 17.
 Hab. Middle & S. Europe [*Atk.*, Stazzano, Austria].
- lustratum*, F. B. White, Proc. Zool. S. Lond., 1878, p. 466.
 Hab. St. Helena.
- mundum*, Uhler, Ent. Am., iii, 1887, p. 71.
 Hab. N. America.
- pellucens*, Puton, MT. Schw. Ent. Ges., vi, 1881, p. 125.
 Hab. Syria, Jaffa.
- pulchricorne*, Reuter, Ofvers. Finska Soc. Förh., xxii, 1880, p. 18.
 Hab. Spain.
- pusillum*, Uhler, Ent. Am., iii, 1887, p. 71.
 Hab. N. America.
- ♀ *signatum*, Distant, Biol. Centr. Amer. Rhyn., 1883, p. 269, t. 23, f. 11: Uhler, List, p. 18.
 Hab. Mexico.
- strigipes*, Reuter, Deutsche Ent. Zeits., xxi, 1877, p. 31.
 Hab. Greece.

Genus **VOLUMNUS.**

- Stål*, Hem. Afric., iii, 1865, p. 19.
- obscuricornis* (*Capsus*), Stål, Ofvers. K. V.-A., Förh., 1855, p. 36; Hem. Afric., iii, p. 19: Walk., Cat. Het., vi, p. 115.
 Hab. Caffraria.
- straminicolor* (*Capsus*), Stål, Ofvers. K. V.-A., Förh., 1855, p. 36; Hem. Afric., iii, p. 19: Walk., Cat. Het., vi, p. 115.
 Hab. Caffraria.

Genus **MELINNA.**

- Uhler, Ent. Am., iii, 1887, p. 68.
- fasciata* (*Megacaelum*), Uhler, Bull. Un. St. Surv., iii, 1877, p. 421; List, p. 18;
 (*Melinna*) Ent. Am., iii, 1887, p. 68.
 Hab. Texas, Missouri.
- modesta*, Uhler, Ent. Am., iii, 1887, p. 69.
 Hab. N. America.
- pumila*, Uhler, l. c., p. 69.
 Hab. N. America.

Genus **PROBA.**

- Distant, Biol. Centr. Amer. Rhyn., 1883, p. 269.
- gracilis*, Distant, l. c., p. 269, t. 26, f. 3, var. *b.*; t. 25, f. 25.
 Hab. Guatemala, Cerro Zunil.

Genus **PARAPROBA.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 270.

fasciata, Distant, *l. c.*, p. 270, t. 26, f. 4.

Hab. Guatemala, San Geronimo, Cerro Zunil.

pallesceus, Distant, *l. c.*, p. 270, t. 26, f. 5.

Hab. Guatemala, Cerro Zunil.

Genus **NEOPROBA.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 270.

rubescens, Distant, *l. c.*, p. 270, t. 26, f. 6.

Hab. Guatemala, Cerro Zunil.

varians, Distant, *l. c.*, p. 271, t. 26, f. 7.

Hab. Guatemala, San Geronimo.

Genus **PANDANUS.**

Distant, Biol. Centr. Amer. Rhyn., 1883, p. 271.

praeclara, Distant, *l. c.*, p. 271, t. 26, f. 8.

Hab. Guatemala, San Geronimo.

Genus **PYCNOPTERNA.**

Fieber, Crit. Gen., 1859, 30; Eur. Hem., p. 66, 262: Rent., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 13, pt.: Walk., Cat. Het., vi, 1873, p. 76.

amoena, Provancher, Fanne Can. Hem., 1887, p. 114.

Hab. Canada.

blanda, Puton, MT. Schw. Ent. Ges., vi, 1881, p. 124.

Hab. Syria.

persica, Reuter, Pet. Nouv. Ent., ii, no. 140, 1876, p. 5.

Hab. Persia, Astrabad.

pulchra, Herr. Schöff., Wanz. Ins., iii, 1835, p. 75, t. 97, f. 293: Fieb., Eur. Hem., p. 263: Walk., Cat. Het., vi, p. 76.

Hab. Germany, France.

striata (*Cimex*), Linn., Syst. Nat., (ed. 10), 1758, p. 449: Scopoli, Ent. Caru., p. 133: De Geer, Mém., iii, p. 290, t. 15, f. 13-15: Schrank, Enum. Ins. Austr., p. 284; Fauna Boica, ii, p. 90: Fabr., Syst. Rhyng., p. 255: Panzer, Faun. Germ., 93, f. 22: Wolff, Ic. Cim., i, p. 37, t. 4, f. 37, a, b: Fallen, Mon. Cim., p. 78; *id.*, Hem., Suec., p. 83: Zett., Fann. Lapp., p. 488: Hahn, Wanz. Ins., ii, p. 134, t. 71, f. 219: Burm., Handb. Ent., ii (i), p. 267: Zett., Ins. Lapp., p. 272: Meyer, Rhyn. Schw., p. 94: F. Sahlb., Mon. Geoc., p. 97: Kirschb., Rhyu. Wiesb., p. 209, sp. 37: Costa, Cim. Regn. Neap., Cent. iii, p. 40: Flor, Rhyn. Liv., i, p. 490: Kolenati, Mel. Ent., ii, p. 103: Fieber (*Pycnopterna*), Eur. Hem., p. 263: Dougl. & Scott, Brit. Hem. p. 320: Walk., Cat. Het., vi, p. 76: Saund., Syn., p. 268; Reuter, Rev. Caps., p. 55; *id.* Rev. Syn. Het., p. 264.

euomyi, Gmelin, Syst. Nat., iv, 1788, p. 2183.

scriptus, Dvig., Prim. Faun. Mosq.: 1802, p. 126.

Hab. Nearly all Europe [*Atk.*, Fiume, Hungary].

suturalis, Jakowleff, Rev. Mens. d' Ent., i, 1883, p. 110.

Hab. Caucasus.

Genus **PROBOSCIDOCORIS.**

Reuter, Ofvers. Finska Soc. Förh., xxv, 1884, p. 30.

fuliginosus, Reuter, *l. c.*, p. 36.

Hab. Addah, W. Africa.

Genus **ODONTOPLATYS.**

Fieber, Crit. Gen., 1859, 33; Eur. Hem., 1861, p. 76, 322, 395.

bidentulus, Herr. Schöff., Wanz. Ins., vi, 1842, p. 96, t. 212, f. 668: Fieb., Eur. Hem., p. 322: Walk., Cat. Het., vi, p. 143.

Hab. S. Europe [*Atk.*, Wallachia].

Genus **EPIMECIS.**

Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 30; Zool. Jahr., 1879, p. 508.

cylocoroides, Reuter, *l. c.*, p. 31.

Hab. S. Russia, Tauria.

Genus **GRYPOCORIS.**

Douglas & Scott, Ent. Mou. Mag., v, 1868, p. 116: Walker, Cat. Het., vi, p. 70.

Fieber, Douglas & Scott, *l. c. supra*, p. 117: Walk., *l. c. supra*.

Hab. Syria.

Genus **BRACHYCOLEUS.**

Fieber, Crit., 1859, 23, t. 6, f. 5; Eur. Hem., p. 56, 250: Reut., Bih. Vet.-Aka., Handl., iii (i), 1875, p. 15: Walk., Cat. Het., vi, p. 71.

bimaculatus, Rambur, Faun. Andal., 1842, p. 160: Fieb., Eur. Hem., p. 252: Walk. Cat. Het., vi, p. 71.

cruentatus, Perris, Ann. Soc. Linn. Lyon, iv, 1857, p. 167.

Hab. France, Spain, Italy [*Atk.*, Amiens, France].

lineellus, Jakowleff, Rev. Mens. d' Ent., 1884, p. 122.

Hab. Persia, Ordubat.

scriptus (*Lygaeus*), Fabr., Syst. Rhyng., 1803, p. 234 (*nec* Ent. Syst., iv, p. 182): Herr. Schöff., Wanz. Ins., iii, p. 76, t. 97, f. 294: Fieber (*Brachycoleus*), Crit. 17; Eur. Hem., p. 251: Kirschb., Rhyn. Wiesb., p. 219, sp. 57, p. 343: Walk., Cat. Het., vi, p. 71: Reuter, Rev. Syn. Het., p. 266; Fedtsch. Turk., p. 7.

var. *decolor*, Reuter, Fedtsch. Turk., 1887, p. 7.

Hab. N. W. Siberia [*Atk.*, Hungary].

sexvittatus, Reuter, Deutsche Ent. Zeits., xxi, 1877, p. 32.

Hab. Spain, Italy, Algeria.

Steinii, Reuter, l. c. p. 32.

scriptus, Kolenati, Mel. Ent., ii, 1845, p. 115 (*nec* Fabr.).

Hab. Greece, Italy, Hungary, Russia.

Genus **ONCOGNATHUS.**

Fieber, Crit. Gen. Phyt., 1859, 15; Eur. Hem., p. 63, 246: Reuter, Rev. Caps. p. 56.

Stenotus, Jakowleff, Bnll. Mosc., lii (2), 1877, p. 288.

binotatus (*Lygaeus*), Fabr., Ent. Syst., iv, 1794, p. 172; *id.*, Syst. Rhyng., p. 235: Fallen, Mon. Cim., p. 75; *id.*, Hem. Snec., p. 78: Herr. Schöff., Wanz. Ins., iii, p. 77, t. 98, f. 296: Meyer, Rhyn. Schw., p. 92: Costa, Cim. Regn. Neap., Cent., iii, p. 261: Kirschb., Rhyn. Wiesb., p. 291, sp. 56: Flor, Rhyn. Liv., i, p. 499: Fieber, Crit., 1859, 15; *id.*, Eur. Hem., p. 247: Dougl. & Scott, Brit. Hem., p. 323: Thomson, Opusc. Ent., iv, p. 422: Walk., Cat. Het., vi, p. 68: Saund., Syn. p. 266: Jakowleff (*Stenotus*), Bull. Mosc., lii (2), 1877, p. 288, ♂: Lethierry, Ann. Mns. Civ. Gen., xviii, 1883, p. 749: Reuter, Rev. Caps., p. 55: Berlin. Ent. Zeits., xxix, 1885, p. 85; Rev. Syn. Het., p. 266: Uhler, List, p. 18.

Paykulli, Turton, Syst. Nat., ii, 1806, p. 609.

sareptanus, Jakowleff, Bnll. Mosc., lii (2), 1877, p. 289, ♂.

Hab. All Enrope; Abyssinia, Shoa, N. America [*Atk.*, Lille, Hungary].

Genus **EURCYRTUS.**

Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 33; Zool. Jahr., 1879, p. 508.

Bellevoeyi, Reuter, l. c., p. 34.

Hab. Egypt.

Genus **DICHIROOSCYTUS.**

Fieber, Crit. Gen., 1859, g. 36; Eur. Hem., p. 67, 269.

Dicrooscytus, Reuter, Bih. Vet.-Aka., Handl., iii (i), 1875, p. 15; Rev. Caps., p. 58.

intermedius, Reuter, C. R. Ent. Belg., 1885, p. xlii.

Hab. Germany, Ronmania.

rufipennis (*Lygaeus*), Fallen, Mon. Cim. 1807, p. 84; *id.*, Hem. Snec., p. 92: Zett. Ins. Lapp., p. 274: Herr. Schöff. (*Capsus*), Wanz. Ins., vi, 1842, p. 50, t. 197, f. 610: F. Sahlb., Geoc. Fenn., p. 105: Kirschb., Rhyn. Wiesb., p. 215, sp. 48: Fieber (*Dichrooscytus*), Crit., 1859, 21; *id.*, Eur. Hem., p. 270: Flor, Rhyn. Liv., i, p. 489: Dougl. & Scott, Brit. Hem., p. 478: Walk., Cat. Het., vi, p. 80: Saund., Syn., p. 237: Thomson, Opusc. Ent., iv, p. 422: Reuter, Rev. Caps., p. 58; *id.*, Rev. Syn. Het., p. 267.

? *apparitor*, Vill., Ent. Auct., 1789, p. 535.

Hab. Nearly all Europo [*Atk.*, Vosges, France].

valesianus (Meyer), Fieber, Eur. Hem., 1861, p. 270: Walk., Cat. Het., vi, p. 80.

Hab. France, Germany, Greece, Tunis.

Genus **PLESIOCORIS.**

Fieber, Eur. Hem., 1861, p. 272 : Walk., Cat. Het., vi, p. 81 ; Reuter, Bih. Vet.-Aka., Handl., iii (i), 1875, p. 15 ; *id.*, Rev. Caps., p. 59.

Tylonotus, Fieber, Crit. Phyt., 1859, 41 ; *id.*, Eur. Hem., p. 68.

rugicollis (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 79 : Herr. Schöff., Wanz. Ins., iii, p. 80, t. 98, f. 299 : F. Sahlb., Geoc. Fenn., p. 102 : Kirschb., Rhyn. Wiesb., p. 342, sp. 55a : Flor. Rhyn. Liv., i, p. 537 : Thoms., Op. Ent., iv, p. 422 : Fieber (*Plesiocoris*), Eur. Hem., p. 272 : Walk., Cat. Het., vi, p. 81 : Saund., Syn., p. 274 ; Reuter, Rev. Caps., p. 59.

marginatus, Zett., Ins. Lapp., 1840, p. 272.

Hab. Scandinavia, Germany, Switzerland.

Genus **LYGUS.**

Hahn, Wanz. Ins., i, 1831, p. 147 : Fieber, Eur. Hem., p. 68, 272 : Walker, Cat. Het., vi, p. 81 : Reuter, Rev. Caps., p. 61.

Lygocoris, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 16 ; Rev. Caps., p. 61.

Orthops, Fieber, Wien. Ent. Monats., ii, 1858, p. 311 ; Eur. Hem., p. 68, 278 : Dougl. & Scott, Brit. Hem., p. 451 : Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 18 ; Rev. Caps., p. 73.

adustus, Jakowleff, Bull. Mosc., li (3), 1876, p. 117.

Hab. Siberia, Ussuri.

apicalis, Fieber, Eur. Hem., 1861, p. 275 : Walk., Cat. Het., vi, p. 83.

Putoni, Meyer Dur, MT. Schw. Ent. Ges., iii, 1870, p. 207 : Walk., Cat. Het., vi, p. 84.

Hab. Spain, S. France.

annexus, Uhler, Hayden Mont. Surv., 1872, p. 413 ; Wheeler, Rep. Geogr. Expl. Un. St., V. Zool., 1875, p. 839, t. 42, f. 10 ; Bull. Un. St. Surv., ii, 1876, p. 318 ; *id.*, iii, 1877, p. 415 ; List, p. 18.

Hab. Colorado to Minnesota.

approximatus, Stål, Stettin Ent. Zeit., xix, 1858, p. 185, ♀ : Walk., Cat. Het., vi, p. 89 : Uhler, List, p. 18.

Hab. Sitka.

atomarius (*Capsus*), Meyer, Rhyn. Schw., 1843, p. 73, t. 4, f. 3 : Fieber (*Hadrodema*), Eur. Hem., p. 277, 392 : Walk., Cat. Het., vi, p. 82 : Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 16.

Hab. Spain, France, Switzerland.

aurantiacus, Snell. v. Voll., Ent. Tijds., xix, 1876, p. 104.

Hab. Holland.

basicornis (*Deraeocoris*), Stål, Rio. Jan. Hem., i, 1858, p. 52 : Walk., Cat. Het., vi, p. 104.

Hab. Rio Janeiro.

Belfragii, Reuter, Caps. Amer., 1875, p. 71 : Uhler, List, p. 18.

Hab. New York.

bengalicus, Reuter, Ent. Tidskr., v, 1884, p. 195.

Hab. Bengal.

bicinctus (*Capsus*), Walker, Cat. Het., vi, 1873, p. 100 : Uhler, List, p. 21.

Hab. Mexico, Oajaca.

Bolivarii, Chicote, Anal. Soc. Esp. N. H., 1881, p. 2.

Hab. Spain.

bonariensis (*Capsus*), Stål, Freg. Eug. Resa, 1859, p. 256 : Walk., Cat. Het., vi, p. 105 ; Berg, Hem. Arg., 1879, p. 121 ; *id.*, Add. Emend., 1884, p. 75.

Hab. Buenos Ayres.

♀ *brachynemis*, Reuter, C. R. Ent. Belg., 1885, p. xliii.

Hab. Algeria.

brunneus, Provancher, Nat. Can., iv, 1872, p. 104 : Uhler, List, p. 18.

Hab. Canada.

caligatus (*Deraeocoris*), Stål, Rio. Jan. Hem., i, 1858, p. 50 : Walk., Cat. Het., vi, p. 103.

Hab. Rio Janeiro.

cincticornis (*Deraeocoris*), Stål, *l. c.*, p. 52 : Walk., Cat. Het., vi, p. 105.

Hab. Rio Janeiro.

clarus (*Deraeocoris*), Stål, *l. c.*, p. 53 : Walk., *l. c.*, p. 105.

Hab. Rio Janeiro.

cribratus (*Deraeocoris*), Stål, *l. c.*, p. 50 : Walk., *l. c.*, p. 104.

Hab. Rio Janeiro.

cribriecollis (*Deraeocoris*), Stål, *l. c.*, p. 48 : Walk., *l. c.*, p. 103.

Hab. Rio Janeiro.

cribrosus (*Deraeocoris*), Stål, *l. c.*, p. 51 : Walk., *l. c.*, p. 104.

Hab. Rio Janeiro.

campestris (*Cimex*), Linn., Syst. Nat., (ed. 10), 1758, p. 448 (*nec. Auct.*) : Gooffroy in Fourcr., Ent. Par., p. 205 : Rossi, Fann. Etrusc., p. 247 : Fabr., Ent. Syst., iv, p. 171, ? ; *id.*, Syst. Rhyng. p. 234 (*nec. Fallen*) : Reuter, Rev. Syn. Het., p. 271.

lucidus, Kirschb., Rhyn. Wiesb., 1855, p. 228, sp. 71, p. 291.

pastinacae, Fallen, Mon. Cim., 1807, p. 86 ; *id.*, Hem. Suec., p. 94 : F.

Sahlb., Geoc. Fenn., p. 113 : Flor, Rhyn. Liv., i, p. 523 : Fieb., Eur. Hem.,

p. 279 : Dougl. & Scott, Brit. Hem., p. 455 : Walk., Cat. Het., vi, p. 85 :

Saund., Syn., p. 276.

transversalis, Fabr., Mant. Ins., 1787, p. 304 : Reuter, Rev. Caps., p. 75.

transversus, Thomson, Opusc. Ent. iv, 1871, p. 427.

Hab. All Europe [*Atl.*, Lille].

Carolinae, Reuter, Caps. Amer., 1875, p. 71 : Uhler, List, p. 18.

Hab. Carolina, S. United States.

caucasicus, Jakowleff, Trudi. Ent. Ross., xii, 1880, p. 125.

Hab. Caucasus.

cervinus (*Capsus*), Herr. Schöff., Wanz., Ins., vi, 1842, p. 57, t. 199, f. 617 : Meyer, Rhyn., Schw. 1843, p. 103 : Kirschb., Rhyn. Wiesb., p. 222, sp. 60 : Fieber, Eur.

- Hem., p. 279: Dongl. & Scott, Brit. Hem., p. 454: Saund., Syn., p. 277: Walk., Cat. Het., vi, p. 86: Reuter, Caps. Syn., p. 12; *id.*, Rev. Caps. p. 64.
lucorum, Bohem., Nya Svenska Hem., 1852, p. 67: Flor, Rhyn. Liv, i, p. 524 (*nec* Thoms.): Walk., Cat. Het., vi, p. 83.
 Hab. Scandinavia, Britain, Middle Europe.
- cetratus*, Berg, Hem. Arg., Add. Emend., 1884, p. 74.
 Hab. Uruguay.
- Championii*, Distant, Biol. Centr. Amer. Rhyn., 1884, p. 273.
 Hab. Guatemala, Quezaltenango.
- p chlorionis* (*Capsus*), Say; Uhler, List, p. 18.
 Hab. United States.
- chloris*, Fieber, Crit. Phyt., 1859, sp. 8; Eur. Hem., p. 276: Walk., Cat. Het. vi, p. 84.
 Hab. Germany, Hungary, Russia.
- conspurcatus*, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 18: Reut. Ferr., Ann. Mus. Civ. Gen., (2 s.) i, 1884, p. 478, ♀.
 Hab. Algeria, Biskra.
- contaminatus* (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 97: Zett., Ins. Lapp., p. 272: F. Sahlb., Geoc. Fenn., p. 102: Fieber (*Lygus*), Eur. Hem., p. 274: Walk., Cat. Het., vi, p. 83: Saund., Syn., p. 275: Reut., Caps. Syn., p. 9; Rev. Caps., p. 65: Uhler, List, p. 18.
viridis, Flor, Rhyn. Livl., i, 1860, p. 531, pt.
sulcifrons, Douglas & Scott, Brit. Hem., 1865, p. 459 (*nec* Kirschb., excl. syn.).
 Hab. All Europe, N. America [*Atk.*, Lille].
- convexicollis*, Reuter, Caps. Amer., 1875, p. 72: Uhler, List, p. 18.
 Hab. California.
- cristatus*, Distant, Biol. Centr. Amer. Rhyn., 1884, p. 274, t. 23, f. 10: Uhler, List, p. 18.
 Hab. Mexico; Guatemala, San Geronimo; Panama.
- Dahlbomii* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 52: Walk., Cat. Het., vi, p. 104.
 Hab. Rio Janeiro.
- dilatatus* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 52: Walk., Cat. Het., vi, p. 104.
 Hab. Rio Janeiro.
- dislocatus* (*Capsus*), Say, Hem. Het., New Harm. Ind., 1831, 21, 6; Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 406.
lugubris, Say, Ms. ♀; *trifidus*, Say Ms. ♂.
 Hab. E. United States, Canada.
- distinguendus*, Reuter, Pet. Nouv. Ent. No. 136, 1875, p. 541.
 Hab. E. Siberia.
- dorsalis*, Provancher, Nat. Can., iv, 1872, p. 104: Uhler, List, p. 18.
 Hab. Canada.

- elegantulus*, Jakowleff, Trudi. Ent. Ross. xii, 1880, p. 123.
Hab. Caucasus.
- fasciatus*, Reuter, Caps. Amer., 1875, p. 72: Uhler, List, p. 18.
Hab. S. Carolina.
- fatuus*, Lethierry, Ann. Mus. Civ. Gen., xviii, 1883, p. 749.
Hab. Abyssinia, Shoa.
- flavovirens* (Meyer), Fieber, Eur. Hem., 1861, p. 276: Reuter, Rev. Caps., p. 62, Walk., Cat. Het., vi, p. 84.
Hab. Scandinavia, Germany, Switzerland, France, Italy.
- Forelii* (Meyer), Fieber, Weit. Beitr., 1831, sp. 9; Eur. Hem., p. 279: Walker, Cat. Het., vi, p. 85.
- fratruelis*, Berg, Hem. Arg., 1879, p. 289.
Hab. Buenos Ayres.
- fraudans* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 52: Walk., Cat. Het., vi, p. 104.
Hab. Rio Janeiro.
- fraudulentus* (*Deraeocoris*), Stål, l. c., p. 49: Walker, Cat. Het., vi, p. 103: Berg Hem. Arg., 1879, p. 120; *id.*, Add. Emend., 1884, p. 73.
Hab. Buenos Ayres.
- fuscomaculatus* (*Deraeocoris*), Stål, l. c. *supra*, p. 49: Walk., Cat. Het., vi, p. 103.
Hab. Rio Janeiro.
- fuscus*, Provancher, Nat. Can., iv, 1872, p. 105: Uhler, List, p. 18.
Hab. Canada.
- innotatus*, Renter, Notis. Skpts Pro. F. Fl. Fenn., 1871, p. 322; *id.*, Bih. Vet.-Aka., Handl., iii (i), p. 17; *id.*, Rev. Caps., p. 65.
Hab. Siberia.
- insignis* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 35: Walk., Cat. Het., vi, p. 105.
Hab. Rio Janeiro.
- inspersus*, Distant, Biol. Centr. Amer. Rhyn., 1884, p. 274, t. 23, f. 8: Uhler, List p. 18.
Hab. Mexico.
- invitus* (*Capsus*), Say, Het. New Harm., 1831 No. 21: Uhler, Proc. Bost. Soc., xix, 1878, p. 407; List, p. 18: Forbes, Rep. Ill., xxii, 1884, p. 110, t. 12, f. 1.
Hab. E. United States.
- Kalmii* (*Cimeræ*), Linn., Syst. Nat., (ed. 10), 1758, p. 448: Zett., Fauna Lapp., p. 491; *id.*, Ins. Lapp., p. 274: Meyer, Rhyn. Schw., p. 105: Kolenati, Mel. Ent., ii, p. 122: F. Sahlb., Geoc. Fenn., p. 112: Costa, Cim. Regn. Neap., Cent., iii, p. 38: Kirschb., Rhyn. Wiesb., p. 273, sp. 68: Flor, Rhyn. Liv., i, p. 521: Fieber, Enr. Hem., p. 280: Dougl. & Scott, Brit. Hem., p. 452: Walk., Cat. Het., vi, p. 86: Sannd., Syn., p. 276: Reuter, Rev. Caps., p. 74; *id.*, Rev. Syn. Het., p. 272.
bifasciatus, Var. B. Schrank, En. Ins., Austr., 1781, p. 281.
? *Dalldorfii*, Gmelin, Syst. Nat., iv, 1788, p. 2178.

? *gramineus*, Fabr., Ent. Syst. Supp., 1798, p. 542; *id.*, Syst. Rhyng., p. 243: Latreille, Hist. Nat., xii, 1804, p. 231.

pauperatus, Herr. Schöff., Wanz., Ins., iv, 1839, p. 31, t. 120, f. 382.

pratensis, var. 1, Scopoli, Ent. Carn., 1763, p. 135.

? *ribis*, Schrank, Fanna Boica, 1801, p. 91.

? *varius*, Fabr., Mant. Ins., 1787, p. 306: *id.*, Syst. Rhyng., p. 247.

var. *flavovarius*, Fabr., Ent. Syst., iv, 1794, p. 178; *id.*, Syst. Rhyng., p. 243: Latreille, Hist. Nat., xii, 1804, p. 230: Fallen, Mon. Cim., p. 86; *id.*, Hem. Suec., p. 93: Hahn, Wanz. Ins., i, p. 211, t. 34, f. 109: Burm., Handb. Ent., ii (i), p. 272: Fieb., Eur. Hem., p. 280: Stål, Hem. Fabr., i, p. 88: Walk., Cat. Het., vi, p. 86.

basalis, Costa, Cim. Regn. Neap., Cent. iii, 1852, p. 38.

Hab. All Europe, Turkistan [*Atk.*, Trin, Lille, Hungary].

lenticulosus (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 51: Walk., Cat. Het., vi, p. 104.

Hab. Rio Janeiro.

limbatus (*Phytocoris*), Fallen, Hem. Snec., 1829, p. 92: Hahn (*Lygus*), Wanz. Ins., i, 1831, p. 152, t. 23, f. 77: Meyer (*Capsus*), Rhyn. Schw., p. 47: F. Sahlb., Geoc. Fenn., p. 106: Kirschb., Rhyn. Wiesb., p. 344, sp. 66a: Flor, Rhyn. Liv., i, p. 528, pt.; ii, p. 609? Thomson, Opusc. Ent., iv, 1871, p. 424: Fieber, Eur. Hem., p. 274: Walker, Cat. Het., vi, p. 82: Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 17; *id.*, Rev. Caps. p. 67.

Hab. Nearly all Enrope.

lucorum (*Capsus*), Meyer, Rhyn. Schw., 1843, p. 46, t. 6, f. 2: Fieb., Eur. Hem., p. 275: Dongl. & Scott, Brit. Hem., p. 458: Walker, Cat. Het., vi, p. 83: Saund., Syn., p. 275: Renter, Caps. Syn., p. 11, pt; *id.*, Rev. Caps., p. 68: Uhler List, p. 18.

bipunctatus, Sahlb., teste Pnton, Cat., 1886, p. 50.

contaminatus, Kirschb., Rhyn. Wiesb., 1855, p. 344, sp. 66: Flor, Rhyn.

Liv., ii, p. 612: Thomson, Opusc. Ent., vi, p. 425 (*nec* Fallen).

? *declivis*, Scholtz. Arb. n. Veränd. d. Schles. Ges., 1846, p. 69.

pabulinus, F. Sahlb., Mon. Geoc., 1848, p. 101 (*nec* Linn.).

var. *nigronasutus*, Renter, Rev. Caps., p. 69 (*nec* Stål).

Hab. N. & Middle Europe, N. America [*Atk.*, Lille].

luctuosus (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 50: Walk., Cat. Het., vi, p. 104.

Hab. Rio Janeiro.

monachus, Uhler, Can. Ent., xviii, 1886, p. 208: Bull. Un. St. Dep. Agric., xiii, 1887, p. 63.

Hab. Canada.

montanus, Schill., Arb. u. Veränd. d. Schles. Ges. 1836: Scholtz l. c., 1846, p. 33: Fieb., Eur. Hem., p. 279: Walk., Cat. Het., vi, p. 85: Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 176.

cervinus, Thoms., Op. Ent., iv, 1871, p. 426 (*nec* Herr. Schöff.).

fasciatus, Meyer, Stettin. Ent. Zeit., 1841, p. 86; Rhyn. Schw., p. 101, t. 5, f. 5: ? Herr. Schöff., Wanz. Ins., vi, 1842, p. 99, t. 212, f. 671.

Hab. Germany, Switzerland, France, Spain, Scandinavia.

mutans, Stål, Stettin. Ent. Zeit., xix, 1858, p. 186 : J. Sahlb., Vet. Aka., Handl., xvi (4), 1878, p. 26 : Walk., Cat. Het., vi, p. 89.

Hab. Siberia, Irkutsk.

nigronasutus, Stål, Stettin. Ent. Zeit., xix, 1858, p. 184, ♀ : Walk., Cat. Het., vi, p. 84.

Hab. Siberia, Irkutsk.

nobilitatus (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 48 : Walk., Cat. Het., vi, p. 103 : Berg, Hem. Arg., 1879, p. 122.

Hab. Rio Janeiro.

obtusius, Reuter, Ent. Tijds., v, 1884, p. 196.

Hab. Bengal.

pabulinus (*Cimex*), Linn., Faun. Suec., 1761, p. 253 : Fabr., Gen. Ins., 1776, p. 301 ; *id.*, Syst. Rhyng., p. 254 : Fallen, Mon. Cim., p. 75 ; *id.*, Hem. Suec., p. 79 : Zett., Fann. Lapp., p. 468 ; *id.*, Ins. Lapp., p. 272 : Hahn, Wanz. Ins., i, p. 148, t. 23, f. 74 : F. Sahlb., Geoc. Fenn., p. 101 : Costa, Cim. Regn. Neap., Cent. iii, p. 260 : Kirschb., Rhyn. Wiesb., p. 217, sp. 52 : Flor, Rhyn. Liv., i, p. 507 : Fieber, Eur. Hem., p. 276 : Dougl. & Scott, Brit. Hem., p. 457 : Walk., Cat. Het., vi, p. 83 : Saund., Syn., p. 275 : Reuter, Rev. Caps., p. 61 ; *id.*, Rev. Syn. Het., p. 267 : Uhler, List, p. 18.

♀ *aerugineus*, Geoffr. in Fourcr., Ent. Par., 1785, p. 208, pt.

affinis, Meyer, Rhyn. Schw., 1843, p. 48, t. 1, f. 5 (*nec* Herr. Schöff.).

hortorum, Tigny, Hist. Nat. Ins., iv, 1813, p. 287.

nigrophthalmus, Retzins, De Geer, Gen. & Spec., 1783, p. 87.

Hab. All Europe : N. America [Atk., Lille].

pachyememis, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 200 : Fedtseh. Turk., p. 8.

Hab. Turkistan.

pellucidus, Fieber, Crit., 1859, 10 ; Eur. Hem., p. 279 : Walk., Cat. Het., vi, p. 86 : Reut., Rev. Caps., p. 75.

Hab. Switzerland, France, Scandinavia.

pilosulus (*Orthops*), Jakowleff, Trudi Russki Ent., x, 1876-77, p. 93.

Hab. N. Persia.

prasinus, Reuter, Caps. Amer., 1875, 9, p. 72 : Uhler, List, p. 18.

Hab. Texas.

pratensis (*Cimex*), Linn., Syst. Nat. (ed. 10), 1758, p. 448 : Fabr., Syst. Ent., 1775, p. 724 : Geoffroy in Fourcr., Ent. Paris., p. 205 : Rossi, Fann. Etrusc., ii, p. 246 : Fallen, Mon. Cim., p. 83 ; *id.*, Hem. Suec., p. 90 : Hahn, Wanz. Ins., i, p. 217, t. 35, f. 112 : Zett., Fann. Lapp., p. 489 ; *id.*, Ins. Lapp., p. 273 : Burma, Handb. Ent., ii (i), p. 272 : Meyer, Rhyn. Schw., p. 99 : Kolonati, Mel. Ent., ii, p. 119 : F. Sahlb., Geoc. Fenn., p. 111 : Kirschb., Rhyn. Wiesb., p. 224, sp. 64, p. 271 : Flor, Rhyn. Liv., i, p. 517 : Fieber, Eur. Hem., p. 273 : Dougl. & Scott, Brit. Hem., p. 464 : Walk., Cat. Het., vi, p. 82 : Saund., Syn., p. 276 : Reuter, Caps. Syn., p. 8 ; *id.*, Rev. Caps., p. 70-72, pt. ; Caps. Amer., p. 72 ; Rev. Syn. Het., p. 269 : Distant, Biol. Contr. Amer. Rhyn., p. 272, t. 23, f. 4, 6, 7, 16 : Uhler, List, p. 18.

- artemisiae*, Schill., Ber. Vat. Ges. Schles., 1836, p. 83.
diffusus, Uhler, Hayden Mont. Surv., 1872, p. 413.
lineolaris, Pal. Beauv., Ins. Afric. Amer., 1805-21, p. 187, t. 11, f. 7: Uhler, Hayden Surv. Mont., 1872, p. 413; Bnll. Un. St. Surv., ii, 1876, p. 318; iii, 1877, p. 415; Proc. Bost. Soc. N. H., xix, 1878, p. 407: Walker, Cat. Het., vi, p. 91, See also Forbes, Rep. Illin., xxii, p. 115, t. 11-13; *id.* xiv, l. c., p. 77: Glover, Rep. Agric. Un. St. for 1875, p. 126, f. 34; Rep. Ent. Un. St. for 1884, p. 312, 391, t. 4, f. 3, 4 *a-d*.
oblineatus, Say, Het. New Harm. Ind., 1831, 21, 7: Walsh, Proc. Bost. Soc. N. H., ix, p. 313 [*Atk.* E. Florida].
redimitus, Uhler, Hayden, Mont. Surv., 1872, p. 413.
 ? *rubecula*, Goeze, Ent. Beytr., ii, 1778, p. 279.
umbellatarum, Scop., Ent. Carn., 1763, p. 133: Panzer, Fann. Germ., 93, 1805, f. 19.
 ? *viridulus*, Panzer, Schöff. Icones, 1804, p. 120.
var. alpinus, Kolenati, Mel. Ent., ii, 1845, p. 120.
var. campestris, Fallen, Mon. Cim., 1807, p. 83; *id.*, Hem. Suec., p. 91: Zett., Faun. Lapp., p. 489; *id.*, Ins. Lapp., p. 273: Hahn, Wanz. Ins., i, p. 218, t. 35, f. 113: Kolenati, Mel. Ent., ii, p. 118: F. Sahlb., Geoc. Fenn., p. 111: Kirschb., Rhyn. Wiesb., p. 225, sp. 65: Fieb., Enr. Hem., p. 273: Dougl. & Scott, Brit. Hem., p. 463: Reuter, Rev. Caps., p. 72, pt.
var. gemellatus, Herr. Schöff., Wanz. Ins., iii, 1835, p. 81, t. 99, f. 301: Kirschb., Rhyn. Wiesb., p. 224 sp. 63, p. 272: Reuter, Rev. Caps., p. 71.
adspersus, Schill., Ber. Vat. Ges. Schles., 1836, p. 83.
var. punctatus, Zett., Ins. Lapp., 1840, p. 273: F. Sahlb., Mon. Geoc., 1848, p. 110: Kolenati, Mel. Ent., ii, p. 118; Reuter, Rev. Caps., p. 71.
Hab. All Europe, Turkistan, N. Asia, Canada, United States, Mexico, Guatemala [*Atk.*, Genoa, Lille, Hungary, United States, E. Florida].
purgatus (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 51: Walk., Cat. Het., vi, p. 104.
Hab. Rio Janeiro.
rhannicola, Reuter, Medd. Soc. Fenn., xi, 1885, p. 164.
limbatus, var. d, J. Sahlb.
Hab. Siberia, Finland.
rubricatus (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 100: Zett., Ins. Lapp., p. 275: Hahn (*Lygus*), Wanz. Ins., i, p. 156, t. 24, f. 80: F. Sahlb., Geoc. Fenn., p. 106: Kirschb., Rhyn. Wiesb., p. 342, sp. 55, p. 271: Flor, Rhyn. Liv., i, p. 526: Fieber, Eur. Hem., p. 274, 392: Dougl. & Scott., Brit. Hem., p. 462: Thomson, Opuso. Ent., iv, p. 21: Walk., Cat. Het., vi, p. 52: Sannö., Syn., p. 277: Reuter, Caps. Syn., p. 8, pt.; *id.*, Rev. Caps., p. 63.
rubicundus, Meyer, Rhyn. Schw., 1843, p. 72 (*nec* Fallen).
Hab. N. & Middle Europe [*Atk.*, Vosges, France].
rufinervis, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 34.
Hab. S. France, Algeria.
rutilans, Horvath, Rev. d' Ent., vii, 1888, p. 181.
Hab. Tyrol.

- Sallei*, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 321, ♀ : Walk., Cat. Het., vi, p. 99 :
Distant, Biol. Centr. Amer., Rhyn. p. 273, t. 23, f. 2, 3, var : Uhler, List, p. 18.
Hab. Mexico, S. United States.
- sanguinolentus*, Renter, Ofvers. Finska Soc., Förh. xxi, 1879, p. 200 : Fedtsch.
Trnk., p. 10.
Hab. Turkistan.
- scitulus*, Walker, Cat. Het., vi, 1873, p. 99.
Hab. Mexico, Oajaca.
- scutellatus*, Uhler, Bnll. Un. St. Surv., iii, 1877, p. 420 ; (*Orthops*) List, p. 19 : *nec*
Distant, Biol. Centr. Amer., 1884, p. 274, t. 23, f. 9, & var. f. 18, which should be
renamed *Distanti*. Hab. Mexico, Guatemala.
Hab. Colorado.
- semilotus* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 50 : Walk., Cat. Het., vi,
p. 103.
Hab. Rio Janeiro.
- semiochraceus* (*Deraeocoris*), Stål, *l. c. supra*, p. 49 : Walk., Cat. Het., vi, p. 103.
Hab. Rio Janeiro.
- Spinolae*, Meyer, Stettin. Ent. Zeit., ii, 1841, p. 86 ; *id.*, Rhyn. Schw., p. 45, t. 1,
f. 2 : Fieber, Eur. Hem., p. 275 : Walk., Cat. Het., vi, p. 83 : Saund., Syn., p. 275 :
Reuter, Rev. Caps., p. 69.
Hab. Scandinavia, Switzerland.
- sticticollis* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 51 : Walker, Cat. Het., vi,
p. 104.
Hab. Rio Janeiro.
- sticticus* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 51 : Walk., Cat. Het., vi,
p. 104.
Hab. Rio Janeiro.
- sulcifrons* (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 290 sp. 7, 343.
Hab. Germany.
- tactus*, Distant, Biol. Centr. Amer. Rhyn., 1884, p. 273, t. 26, f. 9.
Hab. Guatemala, Cerro Znnil.
- tenellus*, Uhler, List, 1886, p. 18 (*ined.?*).
Hab. S. United States.
- testaceipes* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 50 : Walk., Cat. Het., vi,
p. 103.
Hab. Rio Janeiro.
- tribulis*, Distant, Biol. Centr. Amer. Rhyn., 1884, p. 273, t. 26, f. 10.
Hab. Guatemala, Cerro Znnil.
- unicolor*, Provancher, Nat. Can., iv, 1872, p. 105 : Uhler, List, p. 18.
Hab. Canada.
- uruguayensis*, Berg, Hem. Arg., 1879, p. 120 ; Add. Emend., 1884, p. 74.
Hab. Uruguay.

- vinaceus*, Distant, Biol. Centr. Amer. Rhyu., 1884, p. 273, t. 26, f. 11.
 Hab. Guatemala.
- viridicans* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 49: Walk., Cat. Het., vi, p. 103.
 Hab. Rio Janeiro.
- viscicola*, Puton, Rev. d' Ent., viii, 1888, p. 365.
 Hab. France.
- viridis* (*Lygaeus*), Fallen, Mon. Cim., 1807, p. 85: *id.*, Hem. Suec., p. 93: F. Sahlb., Geoc. Feun., p. 106: Flor, Rhyu. Liv., i, p. 532 pt: Saund., Syn., 654, 2a; Reuter, Caps. Syn., p. 10; Rev. Caps., p. 66; Rev. Syn. Het., p. 268.
commutatus, Fieb., Eur. Hem., 1861, p. 274; Walk., Cat. Het., vi, p. 83.
contaminatus, Dongl. & Scott, Brit. Hem., 1865, p. 461.
 ? *fuscocomaculatus*, Goeze, Ent. Beytr., ii, 1778, p. 267.
 ? *obfuscatus*, Gmelin, Syst. Nat., iv, 1788, p. 2185.
sulcifrons, Thomson, Op. Ent., iv, 1871, p. 425 (*nec* Kirschb.).
 ? *viridescens*, Geoffr., Fourcr. Ent. Par., 1785, p. 207.
 Hab. N. & Middle Enrope.
- vitreus* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 52: Walk., Cat. Het., vi, p. 105.
 Hab. Rio Janeiro.
- vitticollis*, Reuter, Caps. Amer., 1875, p. 71: Uhler, List, p. 18.
 Hab. Texas.
- vittiscutis* (*Deraeocoris*), Stål, Rio Jan. Hem., i, 1858, p. 48: Walk., Cat. Het., vi, p. 103; Berg, Hem. Arg., 1879, p. 121; Add. Emend., 1884, p. 74.
 Hab. Rio Janeiro.
- Wallengrenii* (*Deraeocoris*), Stål, l. c., p. 48: Walk., Cat. Het., vi, p. 103.
 Hab. Rio Janeiro.

Genus ZYGIMUS.

- Fieber, Verh. Zool. Bot. Ges. Wien., xx, 1870, p. 249, t. 6: Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 19: Walker, Cat. Het., vi, p. 85, 88.
Hadrodema, Fieber, Eur. Hem., p. 68, 277: Reut., Rev. Caps., p. 76.
- nigriceps* (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 104: Fieb., Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 250, t. 6, f. 7: Walk., Cat. Het., vi, p. 88: Reuter, Caps. Syn., p. 12; Rev. Caps., p. 77.
 Hab. Scandinavia.
- parvulus*, Reuter, Öfvers. Finska Soc. Förh., xxi, 1879, p. 35.
 Hab. Algeria.
- pinastri* (*Lygaeus*), Fallen, Mon. Cim., 1807, p. 95; *id.* (*Phytocoris*), Hem. Suec., p. 112: Zett., Faun. Lapp., p. 495, *id.*, Ins. Lapp., p. 277: Hahn, Wanz. Ins., ii, p. 87, t. 57, f. 173: F. Sahlb., Geoc. Fenn., p. 118: Kirschb., Rhyu. Wiesb., p. 214, sp. 47: Flor, Rhyu. Liv., i, p. 536: (*Hadrodema*) Fieb., Eur. Hem., p. 278: Walker, Cat. Het., vi, p. 85: Saund., Syn., p. 274: Reuter, Rev. Caps., p. 77; Ent. Mon. Mag., xvi, 1879, p. 12; *id.*, Rev. Syn. Het., p. 274.
 ? *aequalis*, Vill., Ent. auct., 1789, p. 529.

- var. *maculicollis*, Muls. & Rey, Ann. Soc. Linn. Lyon, 1852, p. 140.
 „ *melanaspis*, Muls. & Rey, *l. c.*, p. 144.
 Hab. Nearly all Europe [Atk., Lille].

Genus **LYGIDEA.**

- Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 54; Zoel. Jahr., 1879, p. 508.
 illota, Stål, Stettin. Ent. Zeit., xix, 1858, p. 184, ♀: Walk., Cat. Het., vi, p. 89.
 Hab. Siberia, Irkutsk.

Genus **CYPHODEMA.**

- Fieber, Crit. Gen. Phyt., 1859, 40; Enr. Hem., p. 68, 272: Walk., Cat. Het., vi, p. 81: Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 19; Rev. Caps., p. 78.
 subg. *Cyphodema*, Fieb., *l. c. supra*: Reut. Bih., *l. c. supra*, p. 19.
 „ *Agnocoris*, Reuter, *l. c.*, p. 19.
instabilis (*Phytocoris*), Lucas, Expl. Scient. Algerie, iii, 1849, p. 84, t. 3, f. 5.
 Meyer-Duri, Fieber, Crit. sp. 5; Eur. Hem., 1861, p. 272: Walk., Cat. Het., vi, p. 81.
tritaenia, Amyot, Mon. sp. 246: Costa, Cim. Regn. Neap. Cent., iii, 1852.
 Hab. Corsica, Algeria, Tunis [Atk., Genoa].
mendosa, Montandon, Rev. d' Ent., vi, 1887, p. 66.
 Hab. Herzegovina.
 Oberthuri, Puton, Bnll. Soc. Ent. Fr., (5 s.) v, 1875, p. clvi.
 Hab. Algeria.
rubicunda (*Phytocoris*), Fallen, Hem. Snec., 1829, p. 92: Zett., Ins. Lapp., p. 273: Kolenati, Mel. Ent., ii, p. 124: F. Sahlb. (*Capsus*), Geoc. Fenn., p. 111: Kirschb., Rhyn. Wiesb., p. 228, sp. 72, p. 273: Flor. Rhyn. Liv., i, p. 534: Fieber (*Hadrodema*), Eur. Hem., p. 278: Walk., Cat. Het., vi, p. 85: Reuter (*Cyphodema*), Rev. Caps., p. 79.
rubricatus, Hahn, Wanz. Ins., i, 1831, p. 156, t. 24, f. 80: Meyer, Rhyn. Schw., p. 73, (*nec* Fallen).
 Hab. All Europe [Atk., S. France].

Genus **POECILOSCYTUS.**

- Fieber, Crit. Gen., 1859, 9, 43; Eur. Hem., p. 68, 276: Walk., Cat. Het., vi, p. 84: Reuter, Bih. Vet.-Aka., Handl., iii (i), p. 19; Rev. Caps., p. 80.
 subg. *Charagochilus*, Fieber, Crit. Gen. Phyt., 1859, 38; Eur. Hem., p. 67, 271: Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 20; Rev. Caps., p. 80.
 subg. *Systratiotus*, Dougl. & Scott, Brit. Hem., 1865, p. 442: Walker, Cat. Het., vi, p. 80: Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 20; Caps. Amer., p. 73; Rev. Caps., p. 81.
Polymerus, Hahn, Wanz. Ins. i, 1831, p. 27: Fieber, Enr. Hem., p. 67, 271.
 subg. *Poeciloscytus*, Fieber, *l. c. supra*: Reuter, Bih. *l. c. supra*, p. 19; Rev. Caps., p. 82.
americanus, Reuter, Caps. Amor., 1875, p. 73: (*Systratiotus*) Uhler, List, p. 19.
 Hab. Texas.

- basalis*, Renter, *l. c.*, p. 73 : Uhler, List, p. 19.
sericeus, Uhler, Bnll. Un. St. Surv., iii, 1877, p. 422.
 Hab. Quebec to Florida, Texas [*Atk.*, United States].
- brevicornis*, Renter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 201 : Fedtsch. Turk. p. 12.
 Hab. Germany, Austria, Russia, Turkistan.
- carpathicus*, Horvath, Termes. Füzet., vi, 1882, p. 224.
nigritus, Fieber, Eur. Hem., 1861, p. 391, ♂ (*nec* Fallen).
 Hab. N. Hungary.
- cognatus*, Fieber, Eur. Hem., 1861, p. 277 : J. Sahlb., Vet.-Aka. Handl., xvi (4), 1878, p. 27 : Walker, Cat. Het., vi, p. 85.
 Hab. S. Europe [*Atk.*, Hungary].
- diffusus*, Uhler, Hayden Mont. Surv., 1872, p. 415 ; Bull. Un. St. Surv., 1876, p. 318 ; List, p. 19.
 Hab. W. United States, Utah, Idaho.
- diversipes*, Horvath, Rev. d' Ent., iv, 1885, p. 323.
 Hab. Hungary.
- eryngii*, Berg, Hem. Arg., Add. Emend., 1884, p. 77.
 Hab. Buenos Ayres.
- ♀ *geminus* (*Capsus*), Say : Uhler, List, p. 19.
 Hab. United States.
- Gyllenhalii* (*Phytocoris*), Fallen, Hem. Succ., 1829, p. 97 : Zett., Ins. Lapp., p. 275 : Herr. Schöff. (*Capsus*), Wanz. Ins., iii, p. 86, t. 101, f. 310 : Meyer, Rhyn. Schw., p. 61 : F. Sahlb., Geoc. Fenn., p. 116 : Kirschb., Rhyn., Wiesb., p. 229, sp. 75 : Flor, Rhyn. Liv., i, p. 546 : Fieber (*Charagochilus*), Eur. Hem., p. 271 : Dougl. & Scott, Brit. Hem., p. 446, t. 15, f. 1 : Walk., Cat. Het., vi, p. 81 : Saund., Syn., p. 273 : Rev. Caps., p. 81 ; Fedtsch. Turk., p. 12.
 Hab. All Enrope, Turkistan [*Atk.*, Lille, Hungary, Genoa].
- holosericeus* (*Polymerus*), Hahn, Wanz. Ins., i, 1831, p. 27, t. 4, f. 17 : Kirschb., Rhyn. Wiesb., p. 229, sp. 74, p. 274 ? : Fieb., Eur. Hem., p. 271 : Walker, Cat. Het., vi, p. 81 : Rent., Rev. Caps., p. 82.
 Hab. France, Germany, Italy.
- ♀ *imbecillus* (*Capsus*), Say : Uhler, List, p. 19.
 Hab. United States.
- intermedius*, Jakowleff, Trudi. Russki Ent., ix, 1876, p. 226.
 Hab. S. Russia.
- irroratus*, Lethierry, Ann. Soc. Ent. Belg., xxv, 1881, p. 10.
 Hab. Guadeloupe.
- longicornis*, Renter, Ent. Tidjsk., v, 1884, p. 196.
 Hab. Nicobar Islands.
- nigritus* (*Phytocoris*), Fallen, Hem. Succ., 1829, p. 97 : Zett., Ins. Lapp., p. 275 : Herr. Schöff. (*Capsus*), Wanz. Ins., vi, p. 45, t. 195, f. 601 : F. Sahlb., Geoc. Fenn., p. 116 : Kirschb., Rhyn. Wiesb., p. 229, sp. 73, p. 273 : Flor, Rhyn. Liv., i, p. 547 :

Fieber (*Polymerus*), Eur. Hem., p. 391 : Douglas & Scott (*Systratiotus*), Brit. Hem., p. 444, t. 14, f. 9 : Walk., Cat. Het., vi, p. 81 : Saund., Syn., p. 273 : Reuter, Rev. Caps., p. 81.

Hab. N. & Middle Europe.

piceus (*Resthenia*), Berg, Hem. Arg., 1879, p. 125 ; Add. & Emend, 1884, p. 76.

Hab. Buenos Ayres.

unifasciatus (*Lygaeus*), Fabr., Ent. Syst., iv, 1794, p. 178 ; *id.*, Syst. Rhyng., p. 243 : Meyer, Rhyn. Schw., p. 104 : Kolenati, Mol. Ent., ii, p. 123 : F. Sahlb., Geoc. Fenn., p. 108 : Costa, Cim. Regn. Neap., Cent. iii, p. 40 : Kirschb., Rhyn. Wiesb., p. 221, sp. 59, 272 : Flor, Rhyn. Liv., i, p. 544 : Fieb., Eur. Hem., p. 276 : Dougl. & Scott, Brit. Hem., p. 467 : Stål, Hem. Fabr., i, p. 88 : Walk., Cat. Het., vi, p. 84 : Saund., Syn., p. 273 : Reuter, Rev. Caps., p. 82 ; *id.*, Rev. Syn. Het., p. 274 : Uhler, List, p. 19.

semiflavus, Wolff, Ic. Cim., 1804, p. 154, t. 15, f. 148 : Fallen, Mon. Cim., p. 80 ; *id.*, Hem. Suec., p. 86 : Hahn, Wanz. Ins., i, 1831, p. 208, t. 34, f. 107.

? *tomentosus*, Vill., Ent. auct., 1789, p. 528.

var. *asperulae*, Fieber, Eur. Hem., 1861, p. 276.

var. { *lateralis*, Hahn (as var. *Ph. semiflavus*), Wanz. Ins., ii, 1834, p. 85, t. 56
f. 169.

marginatus, Hahn, l. c., f. 170.

Hab. All Europe, Turkistan, N. America [*Atk.*, Lille, Hungary].

venatius (*Systratiotus*), Uhler, Hayden Mont. Surv., 1872, p. 414 ; Bull. Un. St. Surv., ii, 1876, p. 318 ; List, p. 19.

Hab. Colorado, Massachusetts.

vulneratus (*Lygaeus*), Wolff, Panzer Faun. Germ., 1801, 100 : Fieber (*Poeciloscytus*), Eur. Hem., p. 277 : Walk., Cat. Het., vi, p. 84 : Thoms., Opusc. Ent., iv, p. 428 : Reuter, Rev. Caps., p. 83 : Fedtseh. Turk., p. 12.

Dalmanni, Fallen, Hem. Suec., 1829, p. 87 : Hahn, Wanz. Ins., i, 1831, p. 210, t. 34, f. 108 : Herr. Schäff., Nomencl. Ent., p. 51 : Kirschb., Rhyn. Wiesb., p. 223, sp. 62 : Flor, Rhyn. Liv., i, p. 549.

Hab. Nearly all Europe, Turkistan [*Atk.* Monferrato, Dunkirk].

Genus **TROPIDOSTEPTES.**

Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 404 ; List, p. 19 : Reuter, Zool. Jahr., 1879, p. 508.

cardinalis (*Say*), Uhler, l. c. *supra*, p. 404 ; List, p. 19.

Hab. United States, Massachusetts, Connecticut.

Genus **CAMPTOBROCHIS.**

Fieber, Eur. Hem., 1861, p. 248 : Walk., Cat. Het., vi, p. 69 : Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 20 ; Rev. Caps., p. 84.

Camptobrochys, Fieb., Crit. Gen., 1859, g. 19, t. 6, f. 4, 35 ; Eur. Hem., p. 64.

grandis, Uhler, Ent. Am., ii, 1887, p. 230 ; List, p. 19.

Hab. N. America.

lutescens (*Phytocoris*), Schill., Verh. Schles. Ges., 1836: Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 20; *id.*, Caps. Syn., 1875, p. 5: Saund., Syn., p. 277: P. Löw, Wien Ent. Zeit., ii, 1883, p. 59.

hyalinata, Costa, teste Pnton, Cat., 1886, p. 51.

nitens, Stål, Ofvers. K. Vet.-Aka. Handl., 1855, p. 187.

punctulata, Meyer, Rhyn. Schw., 1843, p. 103, t. 4, f. 2: Fieb., Eur. Hem. p. 249 (*nec* Fallen): Dougl. & Scott, Brit. Hem., p. 448.

Hab. Nearly all Europe [*Atk.*, Lille, Stazzano].

nebulosus, Uhler, Hayden Mont. Surv., 1872, p. 417: Bull. Un. St. Surv., 1876, p. 319: Proc. Bost. Soc. N. H., 1878, p. 408: List, p. 19.

Hab. Colorado, Dakota.

parvula, Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 158; Ent. Tidskr., v, 1884, p. 197, var.

Hab. Madeira.

pilipes, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 201: Fedtsch. Trnk., p. 13.

Hab. Turkistan.

punctulatus (*Phytocoris*), Fallen, Hem. Snec., 1829, p. 95, ♀: F. Sahlb. (*Capsus*), Geoc. Fenn., p. 112: Kirschb., Rhyn. Wiesb., p. 227, sp. 70 (?): Flor, Rhyn. Liv., i, p. 532: Thomson, Opusc. Ent., iv, 1871, p. 427: Walk., Cat. Het., vi, p. 69: Reuter, Caps. Syn., 1875, p. 4; *id.*, Rev. Caps., p. 85; Fedtsch. Turk., p. 13.

Fallenii, Hahn, Wanz. Ins., ii, 1834, p. 89, t. 57, f. 175: Kirschb., Rhyn. Wiesb., p. 227, sp. 69?: Fieb., Eur. Hem., p. 248?: Walk., Cat. Het., vi, p. 69.

var. *serena*, Dougl. & Scott, Ent. Mon. Mag., v, 1868, p. 135: Walk., *l. c.*, *supra*, p. 69.

Hab. Nearly all Enrope, Tunis, Syria, Persia [*Atk.*, Genoa, Switzerland].

Putonii, Montandon, Rev. d' Ent., iv, 1885, p. 280.

Hab. Dobrndscha.

Genus **POECILOCAPSUS.**

Reuter, Caps. Amer., 1875, p. 73: Distant, Biol. Centr. Amer. Rhyn., 1884, p. 274: Uhler, List, p. 19.

subg. *Metriorrhynchus*, Reuter, Caps. Amer., 1875, p. 74.

affinis (*Metriorrhynchus*), Reuter, Caps. Amer., 1875, p. 74: Uhler, List, p. 19.

Hab. New Jersey.

agrarius, Distant, Biol. Centr. Amer. Rhyn., 1884, p. 275.

Hab. Guatemala, Totonicapam.

alacer (*Brachycoleus*), Stål, Stettin. Ent. Zeit., xxxiii, 1862, p. 319, ♀: Walker, Cat. Het., vi, p. 99: Rout., Caps. Amer., p. 74: Distant, Biol. Centr. Amer. Rhyn., p. 275, t. 23, f. 1: Uhler, List, p. 19.

Hab. Mexico; Guatemala, Cerro Zúnil.

frumentarius, Distant, Biol. Centr. Amer. Rhyn., 1884, p. 275, t. 26, f. 12.

Hab. Panama, Volcano do Chiriqui.

goniphorus (*Capsus*), Say, Compl. Writ., i, 1859, p. 241: Reut., Caps. Amer., p. 74, vars: Uhler, List, p. 19.

melananthus, Herr. Schöff., Wanz. Ins., viii, 1848, p. 18, t. 254, f. 794;
Walk., Cat. Het., vi, p. 91.

Hab. New York, Wisconsin [*Atk.*, United States].

lineatus (*Lygaeus*), Fabr., Ent. Syst. Snp., 1798, p. 541; *id.*, Syst. Rhyng., p. 234:
Stål, Hem. Fabr., i, p. 86: Reuter, Caps. Amer., 1875, p. 74: Uhler, Proc. Bost.
Soc. N. H., xix, 1878, p. 406; List, p. 19: Saunders, Ins. Inj. Fruit, 1883, p. 350,
f. 364.

bellus, Emmons, Nat. Hist. New York Agric., v, 1854, t. 30, f. 1.

quadrivittatus, Say, Hem. Het., New Harm. Ind., 1831, p. 20, 5; Compl.
Writ., i, 1859, p. 339: Fitch in Trans. New York Agric. Soc., xxix,
1869, p. 513: Walsh, Amer. Ent., i, 1869, p. 246: Lo Baron, Rep. Ins.
Illin., i; 1871, p. 61: Saunders, Rep. Ent. Soc. Ontario, 1871, p. 40:
Glover, Rep. Agric. Un. St. for 1875, p. 125, f. 33: Lintner, Ins. New
York, i, 1883, p. 271, f. 78.

Hab. N. America [*Atk.*, United States].

marginalis, Reuter, Caps. Amer., 1875, p. 75: Uhler, List, p. 19.

Hab. New York.

nigriger (*Brachycoleus*), Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 339, ♀: Walk.,
Cat. Het., vi, p. 99: Reut., Caps. Amer., p. 74: Distant, Biol. Centr. Amer. Rhyn.,
p. 275, t. 22, f. 12, 13 vars.

Hab. Mexico.

nobilellus, Berg, Hem. Arg., Add. Emend., 1884, p. 78.

nobilitatus, Berg, Hem. Arg., 1879, p. 122 (*nec* Stål).

Hab. Buenos Ayres.

ornatulus (*Brachycoleus*), Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 319, ♂: Walk.
Cat. Het., vi, p. 99: Reut., Caps. Amer., p. 74: Distant, Biol. Centr. Amer. Rhyn.,
p. 276, t. 27, f. 1—4: Uhler, List, p. 19.

decoratus, Walker, Cat. Het., vi, 1873, p. 100.

Hab. Mexico, Orizaba; Guatemala, Zapote, Cerro Znnil.

Genus **CALLICAPSUS.**

Reuter, Caps. Amer., 1875, p. 75.

histris, Reuter, *l. c.*, p. 75: Uhler, List, p. 19.

Hab. Carolina, Texas.

Genus **DEROPHTHALMA.**

Berg, Hom. Arg., Add. Emend., 1884, p. 79.

Reuterii, Berg, *l. c.*, p. 80.

Hab. Argentine Republic, Uruguay.

Genus **NEOBORUS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 276.

hirsutus, Distant, *l. c.*, p. 276, t. 27, f. 7.

Hab. Guatemala, Pantaleon.

saxeus, Distant, *l. c.*, p. 276, t. 27, f. 5.

Hab. Panama, Volcano de Chiriqui.

seaber, Distant, *l. c.*, p. 276, t. 27, f. 6.

Hab. Guatemala, Cerro Zunil.

Genus **HEMICEROCORIS.**

Lethierry, *Ann. Soc. Ent. Belg.*, xxv, 1881., p. 11 : Reuter, *Zool. Jahrb., Arthr.*, 1881, p. 74.

nigritarsis, Lethierry, *l. c.* p. 12.

Hab. Guadeloupe.

Genus **LIOCORIS.**

Fieber, *Crit. Gen. Phyt.*, 1859, g. 37, t. 6, f. 15 : *Enr. Hem.*, p. 67, 270 : Walker, *Cat. Het.*, vi, p. 80 : Reuter, *Bih. Vet.-Aka. Handl.*, iii (i), 1875, p. 20 ; *Rev. Caps.* p. 85.

glabratus, Motsch., *Bull. Mosc.*, xxxvi (3), 1863, p. 87.

Hab. Ceylon.

puncticollis, Motsch., *l. c.*, p. 88.

Hab. Antilles.

tripustulatus (*Cimex*), Fabr., *Spec. Ins.*, ii, 1781, p. 370 ; *id.*, *Syst. Rhyng.*, p. 239 : Schrank, *Fauna Beica*, ii, p. 88 : Zett., *Ins. Lapp.*, p. 492 : Fallen, *Hem. Succ.*, p. 96 : Hahn, *Wanz. Ins.*, i, p. 215, t. 34, f. 111 : *Burm.*, *Handb. Ent.*, ii (i), p. 273 : Zett., *Ins. Lapp.*, p. 257 : Meyer, *Rhyn. Schw.*, p. 106 : Kolenati, *Mel. Ent.*, ii, p. 120 : F. Sahlb., *Gecc. Fenn.*, p. 113 : Costa, *Cim. Regn. Neap. Cent.* iii, p. 39 : Kirschb., *Rhyn. Wiesb.*, p. 224, sp. 65, p. 272 : Fler, *Rhyn. Liv.*, i, p. 515 : Fieb. (*Liocoris*), *Crit.* 21 ; *Eur. Hem.*, p. 271 : Dengl & Scott, *Brit. Hem.*, p. 450 : Stål, *Hem. Fabr.*, i, p. 87 : Walk., *Cat. Het.*, vi, p. 80 : Saund., *Syn.*, p. 272 : Reuter, *Rev. Caps.*, p. 86 ; *Rev. Syn. Het.*, p. 275.

? *bifasciatus*, Müller, *Faun. Ins. Fridr.*, 1764, p. 29 ; *Zool. Dan.* p. 106.

campestris, var. *a*, Geoffr., *Fourer. Ent. Par.*, 1785, p. 205.

var. *pastinacae*, Hahn, *Wanz. Ins.*, i, 1831, p. 213, t. 34, f. 110.

Hab. All Europe [*Atk.*, Lillo, Genoa, Dalmatia].

Genus **DERAEOCORIS.**

Kirschbaum, *Rhyn. Wiesb.*, 1855, p. 208 : Stål, *Hem. Afric.*, iii, p. 20 : Reuter, *Rev. Caps.* p. 87.

Capsus, Fabr., *Syst. Rhyng.*, 1803, p. 241 : Fieb., *Crit. Gen.*, g. 32 ; *Enr. Hem.*, p. 66, 264, pt : Puton, *Cat.*, 1886.

Macrocapsus, Reuter, *Ofvers. Finska Soc. Förh.*, xxi, 1879, p. 55 ; *Zool. Jahrb.*, 1879, p. 509.

annulipes, Herr. Schäff., *Wanz. Ins.*, vi, 1842, p. 97, t. 212, f. 669 : Walk., *Cat. Het.*, vi, p. 78 : J. Sahlb., *Vet.-Aka. Handl.*, xvi (4), 1878, p. 27 : Duda, *Wien. Ent. Zeit.*, v, 1886, p. 85.

var. *flavolinea*, Costa, *Cim. Regn. Neap. Cent., Addit.*, 1860.

Hab. Siberia, Germany, Switzerland, France.

brachialis, Stål, Stettin. Ent. Zoit., xix, 1858, p. 185, t. 1, f. 1, ♂ : Walk., Cat. Het., vi, p. 89; (*Macrocapsus*) Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 55.
Hab. Siberia.

cardinalis, Fieber, Crit., 1859, sp. 4; Eur. Hem., p. 266 : Walk., Cat. Het., vi, p. 78.

Hab. Anstria.

cordiger, Hahn, Wanz. Ins., ii, 1834, p. 85, t. 56, f. 771 : Fieb., Eur. Hem., p. 264 : Walk., Cat. Het., vi, p. 77.

var. *apicalis*, Sign., Ann. Soc. Ent. Fr., (4 s.) v, 1865, p. 125 : Walk., l. c., p. 90.

Hab. France, Germany [*Atk.*, N. France].

fratrueilis, Berg, Hem. Arg., 1879, p. 289; Exped. Rio Negro, Zool., p. 82, t. 2, f. 3.

Hab. Buenos Ayres.

Freyii, Puton, Rev. d' Ent., vi, 1887, p. 102.

Hab. Sicily.

histicus, Stål, with var. *a*, *b*, Ofvers. Vet.-Aka. Förh., 1855, p. 37; Hem. Afric., iii, p. 21 : Walk., Cat. Het., vi, p. 114.

Hab. Caffraria.

incomparabilis, Stål, Ofvers. Vet.-Aka. Förh., 1855, p. 35; Hem. Afric., iii, p. 22 : Walk., Cat. Het., vi, p. 114.

Hab. Caffraria.

Martini, Puton, Rev. d' Ent., 1887, p. 303.

Hab. Algeria.

olivaceus (*Cimex*), Fabr., Gen. Ins., 1776, p. 300; *id.*, Ent. Syst. iv, 1794, p. 179; Syst. Rhyng., p. 244 : Latreille, Hist. Nat., xii, p. 231 : Fieb., Eur. Hem., p. 266 : Walker, Cat. Het., vi, p. 78 : Reuter, Rov. Syn. Het., p. 278.

triangularis, Goetze, Ent. Beytr., ii, 1778, p. 278.

var. *erythrostomus*, Schrank, Fauna Boica, 1801, p. 86.

„ *fallax*, Horvath, Term. Füzetek, viii, 1884, p. 317.

„ *larvatus*, Horvath, l. c., p. 317.

„ *medius*, Kirschbaum, Rhyn. Wiesb., 1855, p. 212, sp. 42; 288, sp. 6 : Baer, Cat., p. 14.

„ *rufipes*, Fabr., Syst. Rhyng., 1803, p. 241; Spinola, Ess., p. 190.

Hab. Germany, Anstria, France.

ostentans, Stål, Ofvers. Vet.-Aka. Förh., 1855, p. 37; Hem. Afric., iii, p. 20 : Walk., Cat. Het., vi, p. 114.

histicus, var. *c d.*, Stål, Ofvers. l. c. *supra*, p. 37.

Hab. Caffraria, Cape of Good Hope.

punctum, Rambur, Faun. Andal., 1842, p. 164 : Fieb., Eur. Hem., p. 265 : Walk., Cat. Het., vi, p. 78 : Puton, Rev. d' Ent., iv, 1885, p. 137.

corruscus, Garbig, Bull. Soc. Ent. Ital., i, 1869, p. 186 : Walk., Cat. Het., vi, p. 79, 90.

episcopalis, Costa, Addit. Cim. Regn. Neap., 1860, p. 28, f. 7.

var. *minus*, Puton, Rev. d' Ent., vi, 1887, p. 103.

„ *nigerrimus*, Pnton, Expl. Scient. Tunisie, 1886, p. 20.

Hab. Spain, Italy, Algeria, Tunis.

- rutilus*, Herr. Schöff., Wanz. Ins., iv, 1839, p. 34, t. 121, f. 385 : Fieb., Eur. Hem., p. 265 : Walk., Cat. Het., vi, p. 78.
 var. *bellicosus*, Horvath, Rev. d' Ent., iv, 1885, p. 324.
 Hab. Hungary, Turkey, S. Russia.
- Schach* (*Cimeæ*), Fabr., Spec. Ins., ii, 1781, p. 371 : *id.*, Syst. Rhyng., p. 241 : Latreille, Hist. Nat., xii, 1804, p. 230 : Stål, Hem. Fabr., i, p. 87 : Walk., Cat. Het., vi, p. 78 : Renter, Rev. Syn. Het., p. 276.
miniatus, Herr. Schöff., Wanz. Ins., iv, 1839, p. 34, t. 121, f. 386 : Fieb., Eur. Hem., p. 265.
 var. *cunealis*, Renter, Rev. d' Ent., vii, 1888, p. 227.
 „ *Novaki*, Horvath, Rev. d' Ent., iv, 1885, p. 324.
 Hab. Franco, Spain, Italy, Dalmatia, Greece [*Atk.*, Dalmatia].
- scutellaris* (*Lygaeus*), Fabr., Ent. Syst., iv, 1794, p. 180 ; *id.*, Syst. Rhyng., p. 245 : Coqneb., Ill. Ic., ii, p. 83, t. 19, f. 8 : Zett., Acta Holm., 1819, p. 74 : Fallen, Hem. Snec., p. 109 : Hahn, Wanz. Ins., i, 1831, p. 205, t. 33, f. 105 : Burm., Handb. Ent., ii, p. 274 : Rambur, Faun. Andal., p. 164 : Flor, Rhyn. Liv., i, p. 510 : Fieber, Eur. Hem., p. 266 : Dougl. & Scott, Brit. Hem., p. 443 : Walk., Cat. Het., vi, p. 79 : Saund., Syn., p. 271 : Renter, Rev. Caps. p. 89 : Rev. Syn. Het., p. 278.
 var. *morio*, Bohem., Nya Svens. Hem., 1852, p. 68 : Renter, Caps. Syn., p. 6 ; Rev. Caps. p. 90.
 Hab. Nearly all Europe [*Atk.*, Sarepta, S. Russia].
- seguisinus* (*Cimeæ*), Müller, Man. Ins. Taur., 1766, p. 191, ♂ ; Renter, Rev. Syn. Het., p. 279.
adustus, Gmelin, Syst. Nat., iv, 1788, p. 2185.
biguttatus, Goeze, Ent. Beytr., ii, 1778, p. 278.
bimaculatus, Schrank, Fauna Boica, 1801, p. 88.
capillaris, Fabr., Syst. Ent., 1775, p. 725 ; Mant. Ins. ii, p., 305 ; Ent. Syst., iv, p. 180 ; Syst. Rhyng., p. 244 : Burm., Handb., Ent., ii (i), p. 274 : Am. & Serv., Hem., p. 281 : Costa, Cim. Rogn. Neap., Cent. iii, p. 44 : Fieb., Eur. Hem., p. 266 : Dougl. & Scott, Brit. Hom., p. 442 : Stål, Hem. Fabr., i, p. 87 : Walk., Cat. Het., vi, p. 79 : Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 408 ; List, p. 19 : Perrot, C. R. Soc. Ent. Belg., 1875, p. lxxxviii.
 P *chrysocephalus*, Gmelin, Syst. Nat., iv, 1788, p. 2164.
cimbricus, Müller, Zool. Dan., 1776, p. 106 : Goeze, Ent. Beytr., ii, p. 252.
croceus, Goeze, Ent. Beytr., ii, 1778, p. 265 : Geoffr., Fouror. Ent. Par. p. 200.
Daniae, Turton, Syst. Nat., ii, 1806, p. 674.
flammeus, Geoffr., Fouror. Ent. Par., 1785, p. 210.
 P *fuliginosus*, Gmelin, Syst. Nat., iv, 1788, p. 2164.
geniculus, Turton, Syst. Nat., ii, 1806, p. 687.
gothicus, b, Poda, Ins. Mns. Gracc., 1761, p. 57.
gothicus, Scopoli, Ent. Carn., 1763, p. 131 : Schrank, En. Ins. Anstr., p. 283 : Rossi, Faun. Etrusc., ii, p. 249 (*nec* Linn.).
haematocephalus, Gmelin, Syst. Nat., iv, 1788, p. 2166.
haematostictus, Gmelin, l. c., p. 2181.
laniarius, Linn., Syst. Nat. (ed. 12), 1767, p. 726 : Reut., Rev. Caps. p. 88 : Saund., Syn., p. 271.
 P *luteus*, Goeze, Ent. Beytr., ii, 1778, p. 278.

melinus, Harris, Exp. Engl. Ins., 1781, p. 90, t. 26, f. 11.

olivaceus, Schrank, Fauna Boica, 1801, p. 89 (*nec* Fabr.).

rubens, Harris, Exp. Engl. Ins., 1781, p. 90, t. 26, f. 10.

♀ *ruber*, Linn., Syst. Nat. (ed. 10), 1758, p. 446: Faun. Suec., p. 251.

rubro-acuminatus, Goeze, Ent. Beytr., ii, 1778, p. 268.

rufescens, Gmelin, Syst. Nat., iv, 1788, p. 2160.

var. *danicus*, Fabr., Ent. Syst., iv, 1794, p. 181; Syst. Rhyng., p. 245: Wolff, Ic. Cim., i, 1800, p. 34, t. 4, f. 34: Fallen, Mon. Cim., p. 93; *id.*, Hem. Sueo., p. 109: Hahn, Wanz. Ins., i, p. 17, t. 2, f. 9.

var. *tricolor*, Fabr., Mant. Ins., 1787, p. 306; Syst. Rhyng., p. 245: Wolff, Ic. Cim., i, 1800, p. 35, t. 4, f. 35: Panzer, Faun. Germ., 93, 1804, f. 20: Spinola, Ess., p. 190: Dufour, Recherch., 1833, p. 176: Meyer, Rhyn. Schw., p. 108: Kirschb., Rhyn. Wiesb., p. 212, sp. 41: Flor, Rhyn. Liv., i, p. 509: Fieber, Crit., 1859, 19.

Hab. All Europe; United States, Brazil (Uhler) [*Atk.*, Lille, Genoa, Hungary].

trifasciatus (*Cimex*), Linn., Syst. Nat., (ed. 12), 1767, p. 725: Rossi, Fauna Etrusc., ii, p. 247: Fabr., Ent. Syst., iv, p. 176; *id.*, Syst. Rhyng., p. 244: Burm., Handb., ii, p. 274: Am. & Serv., Ins. Hem., p. 281: Meyer, Rhyn. Schw., p. 107: Costa, Cim. Regn. Neap., Cent. iii, p. 45: Kirschb., Rhyn. Wiesb., p. 213, sp. 43: Fieber, Eur. Hem., p. 265: Walker, Cat. Het., vi, p. 78: Reut., Rev. Syn. Het., p. 277, 395.

elator, Turton, Syst. Nat., ii, 1806, p. 671.

elatus, Fabr., Ent. Syst., iv, 1794, p. 176; Syst. Rhyng., p. 241: Wolff, Io. Cim., i, t. 4, f. 31: Panzor, Faun. Germ., 73, 1801, f. 20: Spinola, Ess., p. 190: Fieb. Crit., 1859, 19.

variegatus, Geoffroy, Fourcr., Ent. Paris., 1785, p. 200.

♀ var. *annulatus*, Germar, Reise Dalm., 1817, p. 285.

var. *bipartitus*, Horvath, Termes Füz., viii, 1884, p. 14.

„ *imitator*, Horvath, l. c., vii, p. 30.

„ *regalis*, Horvath, l. c., viii, p. 13.

„ *ultramontana*, Gredler Verh. Zool. Bot. Ges. Wion, xxiv, 1874, p. 556: Horvath, l. c. *supra.*, vii, p. 30.

Hab. Franco, Germany, Italy, Syria.

Genus **MORNA.**

F. B. White, Ent. Mon. Mag., xv, 1878, p. 130.

capsoides, F. B. White, l. c., p. 131.

Hab. New Zealand.

Genus **COCCOBAPHES.**

Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 401; List, p. 19; Reuter (*Cuccobaphes*), Zool. Jahr., 1879, p. 507.

sanguinarius (Say), Uhler, l. c. *supra.*, p. 401.

Hab. United States, Carolina, New Hampshire, Canada.

Genus **STETHOCONUS.**

Fieber, Wien. Ent. Monats., viii, 1864, p. 79, t. 2, 8 : Walk., Cat. Het., vi, p. 69, 89 : Rent., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 21.

Acropelta, Mella, Bull. Soc. Ent. Ital., i, 1869, p. 292 : Walk., *l. c.*, *supra*, p. 88.

mammillosus (*Capsus*), Flor, Rhyn. Liv., ii, 1861, p. 624 : Walker, Cat. Het., vi, p. 69 : Fieb., Wien. Ent. Monats., viii, 1864, p. 80 : Rey, Ann. Soc. Linn. Lyon, xxix, 1883, p. 385 : Walk., Cat. Het., vi, p. 69.

cyrtopeltis, Flor, Rhyn. Liv., i, 1860, p. 628.

pyri, Mella, Bull. Soc. Ent. Ital., i, 1869, p. 203, t. 4 : Walk., Cat. Het., vi, p. 89.

Hab. Russia, Livonia, Franco, Hungary, Italy.

Genus **BOTHYNOTUS.**

Fieber, Wien Ent. Monats., viii, 1864, p. 76, t. 2, 7 : Walk., Cat. Het., vi, p. 68 : Rent., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 21 ; Rev. Caps. p. 90.

Trichymenus, Reuter, Caps. Syn., 1873, p. 7.

pilosus (*Phytocoris*), Bohem., Nya Svenska Hem., April, 1852, p. 68 : Kirschb., Rhyn. Wiesb., p. 213, sp. 45 : Thomson, Opusc. Ent., iv, p. 429 : Saund., Syn., p. 272 : Reuter (*Trichymenus*), Caps. Syn., p. 8 ; Rev. Caps., p. 91.

Fairmairei, Sign., Ann. Soc. Ent. Fr., (2 s.) x, Sept. 1852, p. 542, t. 16, f. 4.

horridus, Mulsant & Rey, Ann. Soc. Linn., Lyon. 1852, p. 151, ♀ (*form-brach.*).

Minkii, Fieber, Wien. Ent. Monats., viii, 1864, p. 77, t. 2, 7 i, k : Walk., Cat. Het., vi, p. 69.

Hab. Scandinavia, Germany, France, Italy, Hungary, Corfu.

Genus **SAUNDERSIA.**

Renter, Pet. Nonv. Ent., ii, No. 147, 1876, p. 33.

moerens, Renter, *l. c.*, p. 33.

Hab. Greece.

Genus **ALLOEOTOMUS.**

Fieber, Crit. Gen. Phyt. 1859, 17, t. 6, f. 23 ; Eur. Hem., p. 63, 247 : Walk., Cat. Het., vi, p. 68 : Rent., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 21 ; Rev. Caps., p. 92 ; Berlin. Ent. Zeits., xxv, 1881, p. 177.

gothicus (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 110 : Fieb., Eur. Hem., p. 247 : Walk., Cat. Het., vi, p. 68 : Reuter, Rev. Caps., p. 92.

aetneus, Costa, Ann. Soc. Ent. Fr., x, 1841, p. 285.

marginepunctatus, Herr. Schöff., Wanz. Ins., iii, 1835, p. 69, t. 96, f. 284 :

Kirschb., Rhyn. Wiesb., p. 213, sp. 44 : Walk., Cat. Het., vi, p. 68.

pilipes, Thomson, Op. Ent., iv, 1871, p. 429.

Hab. Scandinavia, N. and Middle Europo.

Genus **EUARMOSUS.**

Reuter, *Caps. Amer.*, 1857, p. 76.

Sayii, Reuter, *l. c.*, p. 76: Uhler, *List*, p. 19.

Hab. Texas.

Genus **EUBATAS.**

Distant, *Biol. Centr. Amer. Rhyn.*, 1884, p. 277.

chiriquinus, Distant, *l. c.*, p. 277, t. 27, f. 8.

Hab. Panama, Volcano de Chiriqui.

Genus **NEOCAPSUS.**

Distant, *Biol. Centr. Amer. Rhyn.*, 1884, p. 277.

mexicanus, Distant, *l. c.*, p. 277, t. 22, f. 19: Uhler, *List*, p. 19.

Hab. Mexico.

Genus **HORCIAS.**

Distant, *Biol. Centr. Amer. Rhyn.*, 1884, p. 277.

atratus, Distant, *l. c.*, p. 280.

Hab. Panama, Volcano de Chiriqui.

chiriquinus, Distant, *l. c.*, p. 278.

Hab. Panama, Volcano de Chiriqui.

decoratus, Distant, *l. c.*, p. 278, t. 27, f. 9.

Hab. Guatemala, Zapote.

notatus, Distant, *l. c.*, p. 278, t. 26, f. 14.

Hab. Guatemala, Pantaleon; Panama.

plagosus, Distant, *l. c.*, p. 279, t. 26, f. 16.

Hab. Panama, Volcano de Chiriqui.

plumatus, Distant, *l. c.*, p. 279, t. 27, f. 10.

Hab. Panama, Bugaba.

rutilus, Distant, *l. c.*, p. 279, t. 27, f. 11.

Hab. Panama, Volcano de Chiriqui.

scutellatus, Distant, *l. c.*, p. 278.

Hab. Guatemala, San Juan; Panama, Bugaba.

thoracicus, Distant, *l. c.*, p. 278, t. 26, f. 15.

Hab. Panama, Bugaba.

unicolor, Distant, *l. c.*, p. 279, t. 27, f. 12.

Hab. Panama, Volcano de Chiriqui.

variegatus, Distant, *l. c.*, p. 277, t. 26, f. 13.

Hab. Panama, David, Bugaba.

Genus **CALOCORISCA.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 280.

antennata, Distant, *l. c.*, p. 281, t. 27, f. 14.

Hab. Guatemala, Capetillo.

tenera, Distant, *l. c.*, p. 280, t. 26, f. 18.

Hab. Guatemala, Corro Zunil.

thoracica, Distant, *l. c.*, p. 280, t. 27, f. 13.

Hab. Costa Rica, Irazu.

villosa, Distant, *l. c.*, p. 280, t. 26, f. 17.

Hab. Guatemala, Panama.

Genus **CIMATLAN.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 281.

delicatum, Distant, *l. c.*, p. 281, t. 27, f. 15.

Hab. Guatemala, Panajachel.

Genus **FULVIUS.**

Stål, Stettin. Ent. Zeit. xxxiii, 1862, p. 322 : Distant, Biol. Centr. Amer. Rhyn., p. 281 : Walk., Cat. Het., vi, p. 47 : Uhler, List, p. 19.

albomaculatus, Dist., Biol. Contr. Amer. Rhyn., 1884, p. 282, t. 27, f. 16.

Hab. Panama, Volcano de Chiriqui.

anthocoroides, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 322 : Walk., Cat. Het., vi, p. 160 : Distant, *l. c.*, *supra*, p. 281, t. 23, f. 15.

Hab. Mexico, Guatemala, Panama.

atratus, Distant, *l. c.*, *supra*, p. 282, t. 27, f. 18.

Hab. Guatemala, San Geronimo.

fuscans, Distant, *l. c.*, p. 282, t. 27, f. 17.

Hab. Guatemala, Balhen.

Genus **PAMEROCORIS.**

Uhler, Bull. Un. St. Surv., iii, 1877, p. 424 ; Proc. Bost. Soc. N. H., xix, 1878, p. 412 ; List, p. 19.

anthocoroides, Uhler, Bull. Un. St. Surv., iii, 1877, p. 425 : Borgroth, Ent. Nachr., iv, p. 108.

Hab. Colorado, E. United States, Canada.

Genus **HENICOCNEMIS.**

Stål, Rio Jan. Hem., i, 1858, p. 53 : Dist., Biol. Centr. Amer. Rhyn., p. 282 : Walker, Cat. Het., vi, p. 169 : Uhler, List, p. 19.

albitarsis, Stål, Stettin. Ent. Zeit., xxiii, 1862, p. 320, ♀ : Walk., Cat. Het., vi, p. 169 : Distant, Biol. Centr. Amer. Rhyn., p. 283, t. 27, f. 19.

Hab. Mexico.

alboornata, Distant, l. c., *supra*, p. 283, t. 27, f. 20.

Hab. Panama, Bngaba

patellata, Stål, Rio Jan. Hem., i, 1858, p. 53 : Walk., Cat. Het., vi, p. 169.

Hab. Rio Janeiro.

Genus **CAPSUS.**

Stål, Hem. Fabr., i, p. 87 : Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 21 : Rev. Caps., p. 93.

Rhopalotomus, Fieber, Crit. Gen. Phyt., 1859, g. 31, t. 6, f. 38 : Eur. Hem., p. 66, 263 : Pnton, Cat., 1886.

ater (*Cimex*), Linn. Syst. Nat., (*ed.* 10), 1758, p. 447 : Fabr., Syst. Ent., 1775, p. 725 ; *id.*, Syst. Rhyng., p. 241 : Fallen, Mon. Cim., p. 97 ; *id.*, Hem. Suec., p. 116 : Zett., Faun., Lapp., p. 497 ; *id.*, Ins., Lapp., p. 277 : Hahn, Wanz. Ins., i, p. 126, t. 20, f. 65 : Burm., Handb. Ent., ii, p. 275 : Westw., Intr. Mod. Class. Ins., p. 121 : Am. & Serv., Ins. Hém., p. 281 : Meyer, Rhyn. Schw., p. 108 : Kolenati, Mel. Ent., ii, p. 127 : F. Sahlb., Geoc. Fenn., p. 121 : Kirsehb., Rhyn. Wiesb., p. 214, sp. 46 : Costa, Cim. Regn. Neap. Cent. Addit. 30, xxxiii : Flor, Rhyn. Liv., i, p. 456 : Fieber, Enr. Hem., p. 264 : Dougl. & Scott., Brit. Hem., p. 440 : Stål, Hem. Fabr., i, p. 87 : Walk., Cat. Het., vi, p. 77 : Saund., Syn., p. 271 : Reuter, Rev. Caps., p. 94 : Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 411 : Reuter, Rev. Syn. Het., p. 282.

nigricornis, Hahn, Icon. Cim., 1826, f. 20.

? *sordeus*, Gmelin, Syst. Nat., iv, 1788, p. 2166.

var. *semiflavus*, Linn., Syst. Nat., (*ed.*, 12), 1767, p. 725 : Gmelin, Syst. Nat., p. 2162.

var. *flavicollis*, Fabr., Syst. Ent., 1775, p. 725 : Rossi, Faun. Etruse., ii, p. 248 : Lap., Ess. Class. Syst., 1832, p. 39 : Guérin, Icones, iii, 1834, p. 348.

„ *testudineus*, Say, MS., *teste* Uhler, l. c., *supra*.

„ *tyrannus*, Fabr., Ent. Syst., iv, 1794, p. 177 : Wolff, Ic. Cim., iv, 1804, p. 152, t. 15, f. 146.

Hab. All Europe : N. America [Ath., Lille].

brachyeerus, Uhler, Hayden Surv. Mont., 1872, p. 416 ; Bull. Un. St. Surv., ii, 1876, p. 319 ; List, p. 19.

Hab. California, Colorado.

einetus, Kolenati, Mel. Ent., ii, 1845, p. 128, t. 11, f. 29 : Fieb., Eur. Hem., p. 264 : Walk., Cat. Het., vi, p. 77 : Reuter, Fedtseh. Turk., p. 14.

Hab. Caucasus, Turkistan.

intermedius, Reuter, Ofvers. Finska Soc. Förh., xxvi, 1884, p. 25.

simulans, var., J. Sahlb., Vet.-Aka. Handl., xvi (4), 1878, p. 27.

Hab. Siberia.

pacificus, Uhler, Hayden Surv. Mont., 1872, p. 415 ; Bull. Un. St. Surv., ii, 1876, p. 319 ; List, p. 19.

Hab. Montana, Idaho, California.

rubronotatus, Provancher, Nat. Can., iv, 1872, p. 105 : Uhler, List, p. 19.

Hab. Canada.

simulans, Stål, Stettin. Ent. Zeit., xix, 1858, p. 186, ♂ : J. Sahlb., Vet.-Aka.

Handl., xvi (4), 1873, p. 27 : Walker, Cat. Het., vi, p. 89.

Hab. Siberia.

Genus **HYALOPEPLUS.**

Stål, Ofvers. Vet.-Aka. Förh., 1870, p. 670.

pellucidus (*Capsus*), Stål, Freg. Eug. Resa, Hem., 1859, p. 255 : Walk., Cat. Het., vi, p. 127.

Hab. Honolulu.

vitripennis (*Capsus*), Stål, Ofvers. Vet.-Aka. Förh., 1855, p. 186 ; Freg. Eug. Resa, Hem., 1859, p. 255 : Ofvers. Vet.-Aka. Förh., 1870, p. 671 : Walk., Cat. Het., vi, p. 118.

Hab. Philippines, Java.

Genus **MACROLONIUS.**

Stål, Ofvers. K. Vet.-Aka. Förh., 1870, p. 670, note.

sobrinus (*Capsus*), Stål, Ofvers. K. Vet.-Aka. Förh., 1855, p. 186 ; Ofvers. l. c., *supra*, p. 670, note : Walk., Cat. Het., vi, p. 124.

Hab. Philippines.

Genus **READA.**

F. B. White, Ent. Mon. Mag., xv, 1878, p. 132.

Mayrii, F. B. White, l. c., p. 132.

Hab. New Zealand.

SPECIES OF DOUBTFUL POSITION.

albipes (*Capsus*), Motsch., Bull. Mosc., xxxvi (3), 1863, p. 82.

Hab. Ceylon.

albofasciatus (*Leptomerocoris*), Motsch., l. c., p. 86.

Hab. Ceylon.

alboviridescens (*Leptomerocoris*), Motsch., l. c., p. 85.

Hab. Ceylon.

angulifer (*Capsus*), Walker, Cat. Het., vi, 1873, p. 126.

Hab. Australia.

annulicornis (*Capsus*), Herr. Schöff., Nomencl. Ent., 1835, p. 51.

Hab. Germany.

antennatus (*Phytocoris*), Blanchard, Gay's Hist. Fisica Chili, Zool., vii, 1852, p. 188, 7 : Signoret, Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 573 : Walk., Cat. Het., vi, p. 108.

Hab. Chili.

- antennatus* (*Leptomerocoris*), Walker, Cat. Het., 1873, p. 145.
Hab. Australia.
- anthracinus* (*Ectopiocerus*), Uhler, List, 1886, p. 20.
Hab. United States.
- apicifer* (*Capsus*), Walker, Cat. Het., vi, 1873, p. 124.
Hab. Makian, Celebes.
- aurulentus*, Schill., Arb. u. Veränd. d. Schles. Ges., 1836.
Hab. Silesia.
- bicinctus* (*Capsus*), Walker, Cat. Het., 1873, p. 100: Uhler, List, p. 21.
Hab. Oajaca.
- canescens* (*Capsus*), Walker, Cat. Het., vi, 1873, p. 121.
Hab. Malacca.
- capicola* (*Capsus*), Stål, Freg. Eug., Hem., 1859, p. 256: Walk., Cat. Het., vi, p. 114.
Hab. Cape of Good Hope.
- capitatus* (*Capsus*), Herr. Schäff., Nomencl. Ent., 1835, p. 50.
Hab. Germany.
- chinensis* (*Capsus*), Stål, Freg. Eug. Resa, Hem., 1859, p. 258: Walk., Cat. Het., vi, p. 118.
Hab. Hongkong.
- coccineus* (*Capsus*), Walker, Cat. Het., vi, 1873, p. 93: Uhler, List, p. 21.
Hab. E. Florida.
- ceerulescens* (*Capsus*), Scholtz, Arb. u. Veränd. d. Schles. Ges., 1846.
Hab. Germany.
- censpersus* (*Capsus*), Walker, Cat. Het., vi, 1873, p. 116.
Hab. Cape of Good Hope.
- contiguus* (*Capsus*), Walker, l. c., p. 95: Uhler, List, p. 21.
Hab. New York.
- coxalis* (*Capsus*), Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852.
Hab. S. France.
- cuneatus* (*Capsus*), Stål, Rie. Jan. Hem., i, 1858, p. 55: Walk., Cat. Het., vi, p. 144.
Hab. Rio Janeiro.
- Dallasii* (*Capsus*), Stål, Freg. Eug. Resa, Hem., 1859, p. 258.
Hab. Sydney.
- desertus* (*Capsus*), Becker, Bull. Mesc., xxxvii (i), 1865, p. 488: Walker, Cat. Het., vi, p. 90.
Hab. S. Russia, Sarepta.
- dilutus* (*Capsus*), Stål, Freg. Eug. Resa, Hem., 1859, p. 256.
Hab. Sydney.
- dimidiatus* (*Capsus*), Guérin, R. de Sagra's Hist. Fis. Cuba. vii, 1856, p. 168: Walk., Cat. Het., vi, p. 101.
Hab. Cuba.

discoidalis (*Capsus*), Walker, Cat. Het., vi, 1873, p. 122.

Hab. Singapur, Malacca.

elquiensis (*Capsus*), Blanchard, Gay's Hist. Fis. Chil., vii, 1852, p. 187, 3: Sign., Ann. Soc. Ent. Fr., (4 s.) iii, p. 572: Walkor, Cat. Het., vi, p. 108.

Hab. Chili.

fasciatus (*Capsus*), Walker, Cat. Het., vi, 1873, p. 122.

Hab. Singapur.

flavipes (*Capsus*), Provancher, Can. Nat., iv, 1872, p. 104: Uhler, List, p. 19.

Hab. Canada.

flavonotatus (*Capsus*), Provancher, l. c., p. 103: Uhler, List, p. 19.

Hab. Canada.

floridanus (*Capsus*), Walker, Cat. Het., vi, 1873, p. 97: Uhler, List, p. 21.

Hab. E. Florida.

Freyii (*Capsus*), Becker, Bull. Moso., xxxvii (i), 1865, p. 481: Walk., Cat. Het., vi, p. 90.

Hab. S. Russia, Sarepta.

frontifer (*Capsus*), Walker, Cat. Het., vi, 1873, p. 94: Uhler, List, p. 21.

Hab. N. America.

gibbicollis (*Capsus*), Herr. Schöff., Nomencl. Ent., 1835, p. 51.

Hab. Germany.

halimocnemis (*Capsus*), Becker, Bull. Mosc., xxxvii (i), 1865, p. 485: Walker, Cat. Het., vi, p. 89.

Hab. S. Russia, Sarepta.

hirsutulus (*Capsus*), Walker, Cat. Het., vi, 1873, p. 95: Uhler, List, p. 21.

Hab. Lake Huron.

illepidus, Walker, l. c., p. 115.

Hab. Cape of Good Hope.

incisuratus (*Capsus*), Walker, l. c., p. 121.

Hab. Ceylon.

incisus (*Capsus*), Walker, l. c., p. 92: Uhler, List, p. 21.

Hab. E. Florida.

innotatus (*Capsus*), Walker, l. c., p. 119.

Hab. S. Africa.

invidus (*Cimex*), Rossi, Fauna Etrusc., 1790, p. 247.

Hab. Italy.

intaminatus (*Capsus*), Walker, Cat. Het. p. 127.

Hab. New Zealand.

Kinbergii (*Capsus*), Stål, Frog. Eug. Resa, Hom., 1859, p. 255.

Hab. Sydney.

laticinctus (*Capsus*), Walker, Cat. Het., 1873, p. 127.

Hab. New Zealand.

- limbatellus* (*Capsus*), Walker, *l. c.*, p. 93 : Uhler, List, p. 21.
Hab. New York.
- limbatus* (*Capsus*), Walker, *l. c.*, p. 117.
Hab. Cape of Good Hope.
- lineifer* (*Capsus*), Walker, *l. c.*, p. 122.
Hab. Malacca.
- lucidus* (*Capsus*), Walker, *l. c.*, p. 124.
Hab. Sarawak.
- maculiceps* (*Capsus*), Stål, Ofvers. Vet.-Aka. Förh., 1855, p. 186.
Hab. S. France.
- marginatus* (*Capsus*), Walker, Cat. Het., 1873, p. 96 : Uhler, List, p. 21.
Hab. New York.
- maoricus* (*Leptomerocoris*), Walker, Cat. Het., vi, 1873, p. 146.
Hab. New Zealand.
- marginicollis* (*Capsus*), Walker, *l. c.*, p. 128.
Hab. — ?
- miniatus* (*Capsus*), Parfitt, Ent. Mon. Mag., ii, 1866, p. 130 : Walker, Cat. Het., vi, p. 89.
Hab. S. England.
- modestus* (*Capsus*), Blanchard, Gay's Hist. Fis. Chili, vii, 1852, p. 187, 5 : Sign. Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 572 : Walk., Cat. Het., vi, p. 108.
Hab. Chili.
- obesulus* (*Capsus* ?), Wollaston, Ann. Mag. N. H., (3 s.) i, 1858, p. 124.
Hab. Madeira.
- obscurus* (*Capsus*), Walker, Cat. Het., vi, 1873, p. 93 : Uhler, List, p. 21.
Hab. Hudson's Bay.
- ocellatus* (*Capsus*), Sign., Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 527 : Walker, Cat. Het., vi, p. 105, 108.
Hab. Chili.
- ornata* (*Closterocoris*), Uhler, List, 1886, p. 59.
Hab. United States.
- pacificus* (*Capsus*), Stål, Freg. Eug. Resa, Hem., 1859, p. 256 : Walk., Cat. Het., vi, p. 127.
Hab. Tahiti.
- pallidulus* (*Capsus*), Walker, Cat. Het., vi, 1873, p. 94 : Uhler, List, p. 21.
Hab. Hudson's Bay.
- pallidulus* (*Capsus*), Herr. Schöff., Nomencl. Ent., 1885, p. 49.
Hab. Germany.
- pallidulus* (*Capsus*), Walker, Cat. Het., vi, 1873, p. 116.
Hab. Cape of Good Hope.
- partitus* (*Capsus*), Walker, *l. c.*, p. 119.
Hab. N. India.

- patulus* (*Capsus*), Walkor, *l. c.*, p. 120.
Hab. N. India.
- peregrinus* (*Capsus*), Herr. Schöff., *Nomencl. Ent.*, 1835, p. 49.
Hab. Germany.
- piceoniger* (*Deraeocoris*), Motsch., *Bull. Mosc.*, xxxvi (3), 1863, p. 84.
Hab. Ceylon.
- pictulifer* (*Capsus*), Walker, *Cat. Het.*, vi, 1873, p. 126.
Hab. Anstralia.
- pistaeinus* (*Leptomerocoris*), Motsch., *Bull. Mosc.*, xxxvi (3), 1863, p. 85.
Hab. Ceylon.
- Proserpinae* (*Capsus*), Mulsant & Rey, *Ann. Soc. Linn. Lyon*, 1852.
Hab. Franco.
- pulcher* (*Oncodepsus*), Uhler, *List*, 1886, p. 17.
Hab. W. indies.
- punctipes* (*Capsus*), Mulsant & Rey, *l. c. supra*.
Hab. France.
- punctum-album* (*Cimeæ*), Rossi, *Fauna Etrusc.*, 1790, p. 246, No. 1337.
Hab. Italy.
- rubrovulneratus* (*Deraeocoris*), Motsch., *Bull. Mosc.*, xxxvi (3), 1863, p. 83.
Hab. Ceylon.
- scutellaris* (*Capsus*), Herr. Schöff., *Nomencl. Ent.*, 1835, p. 52.
Hab. Germany.
- semiclusulus* (*Capsus*), Walker, *Cat. Het.*, 1873, p. 118.
Hab. Ceylon.
- sericeus* (*Capsus*), Walkor, *Cat. Het.*, 1873, p. 117.
Hab. Sierra Leone.
- sidnicus* (*Capsus*), Stål, *Freg. Eug. Rcsa, Hem.*, 1859, p. 258.
Hab. Sydney.
- signatipes* (*Capsus*), Herr. Schöff., *Nomencl. Ent.*, 1835, p. 49.
Hab. Germany.
- Signoretii* (*Capsus*), Stål, *Freg. Eug. Rcsa, Hom.*, 1859, p. 257 : Walk., *Cat. Het.*, vi, p. 105.
Hab. Rio Janeiro.
- simplex* (*Leptomerocoris*), Walker, *Cat. Het.*, vi, 1873, p. 145.
Hab. Ceylon.
- simulans* (*Capsus*), Walker, *l. c.*, p. 125.
Hab. Singapur.
- sinicus* (*Capsus*), Walker, *Cat. Het.*, *l. c.*, p. 120.
Hab. China.
- sobrius* (*Capsus*), Walker, *l. c.*, p. 115.
Hab. Sierra Leone.

solitus (*Capsus*), Walkor, *l. c.*, p. 116.

Hab. Cape of Good Hope.

soror (*Macrocoleus*), Renter, *Pet. Nouv. Ent. No. 136, 1874*, p. 541.

Hab. Sibiria.

speciosus (*Capsus*), Signoret, *Ann. Soc. Ent. Fr.*, (4 s.) iii, 1863, p. 571 : Walker, *Cat. Het.*, vi, p. 105, 108.

Hab. Chili.

stramineus (*Capsus*), Walker, *Cat. Het.*, vi, 1873, p. 96 : Uhler, *List*, p. 21.

Hab. Nova Scotia.

stramineus (*Capsus*), Walker, *l. c.*, p. 120 (*n. b. l.*).

Hab. N. Bengal.

strigulatus (*Capsus*), Walker, *l. c.*, p. 94 : Uhler, *List*, p. 21.

Hab. Canada.

subirroratus (*Capsus*), Walker, *l. c.*, p. 119.

Hab. Ceylon.

suffusus (*Capsus*), Walker, *l. c.*, p. 117.

Hab. Cape of Good Hope.

tabescens (*Eurymerocoris*), Stål, *Ofvers. Vet.-Aka. Förh.*, 1858, p. 317 ; *Hem. Afric.*, iii, p. 22 : Walk., *Cat. Het.*, vi, p. 159.

Hab. S. Africa, Svakop river.

tagalicus (*Capsus*), Stål, *Freg. Eng. Resa, Hem.*, 1859, p. 258 : Walk., *Cat. Het.*, vi, p. 123.

Hab. Manilla.

taiticus (*Capsus*), Stål, *l. c.*, p. 257 : Walk., *Cat. Het.*, vi, p. 127.

Hab. Tahiti.

thoracatus (*Capsus*), Stål, *Ofvers. Vet.-Aka. Handl.*, 1855, p. 186.

Hab. Java.

tristis (*Capsus*), Walker, *Cat. Het.*, vi, 1873, p. 125.

Hab. New Gninoia.

tristis (*Phytocoris*), Blanchard, *Gay's Hist. Fis. Chili*, vii, 1852, p. 187, 6 : Sign., *Ann. Soc. Ent. Fr.*, (4 s.) iii, 1863, p. 573 : Walker, *Cat. Het.*, vi, p. 108.

Hab. Chili.

ustulatus (*Capsus*), Walker, *Cat. Het.*, vi, 1873, p. 128.

Hab. New Zealand.

vicarius (*Capsus*), Walker, *l. c.*, p. 121.

Hab. Siam.

vicinus (*Phytocoris*), Blanchard, *Gay's Hist. Fis. Chili*, vii, 1852, p. 186, 4 : Sign., *Ann. Soc. Ent. Fr.*, (4 s.) iii, 1863, p. 573 : Walker, *Cat. Het.*, vi, p. 108.

Hab. Chili.

viridanus (*Deraeocoris*), Motsch., *Bull. Mosc.*, xxxvi (3), 1863, p. 83.

Hab. Ceylon.

viridipunctatus (*Eurymerocoris*), Stål, Ofvers. Vet.-Aka. Förh., 1858, p. 317; Hom. Afric., iii, p. 23: Walk., Cat. Het., vi, p. 159.

Hab. S. Africa, Svakop river.

volgensis (*Capsus*), Becker, Bnll. Mosc., xxxvii (i), 1865, p. 488: Walker, Cat. Het., vi, p. 90.

Hab. S. Russia, Sarepta.

Walthii (*Capsus*), Horr. Schöff., Nom. Ent., 1835, p. 52.

Hab. Germany.

Whitei (*Phytocoris* ?), Wollaston, Ann. Mag. N. H., (3 s.) i, 1858, p. 124: Walker, Cat. Het., vi, p. 159.

Hab. Madeira.

Div. VII, **PILOPHORARIA**, Renter, Hem. Gymn. Eur. iii, 1883, p. 566.

Genus **PILOPHORUS**.

Hahn, Ic. Mon. Cim., i, 1826, 23: Reut., Bih. Vet.-Aka. Handl., iii (i), p. 22; Rev. Caps., p. 100.

Camaronotus, Fieber, Crit. Gen., 1859, 79, t. 6, f. 28; Eur. Hem., p. 74, 313: Dougl. & Scott, Brit. Hem., p. 358.

amoenus, Uhler, Ent. Am., iii, 1887, p. 30.

Hab. N. America.

angustulus, Reuter, Rev. d' Ent., vii, 1888, p. 227.

Hab. Moroa.

cinnamopterus (*Leptomerocoris*), Kirschbaum, Rhyn. Wiesb., 1855, p. 232 sp. 81, p. 276, 259: Flor, Rhyn. Liv., i, p. 572; Fieber (*Camaronotus*), Crit. Phyt., 1859, p. 34; *id.*, Eur. Hem., p. 314: Dougl. & Scott, Brit. Hem., p. 359: Walker, Cat. Het., vi, p. 76, 87: Sannd., Syn., p. 287, pt.: Reuter, Ent. Mon. Mag., xiv, 1878, p. 244; Rev. Syn. Het., p. 290.

bifasciatus, Fabr., Syst. Ent., 1775, p. 725 (*nom-praeoc*); Syst. Rhyn. p. 241: Latreille, Hist. Nat., xii, p. 230: Zott., Fauna Lapp., p. 497; *id.*, Ins. Lapp., p. 277: Westwood (*Pilophorus*), Intr. Mod. Class. Ins., ii, p. 121, ? : Reuter, Caps. Syn., p. 24; Rev. Caps., p. 101; Berlin. Ent. Zoits., xxv, 1881, p. 177, pt.: Puton, Bull. Soc. Ent. Fr., (5 s.), vii, 1877 p. cxxx: Uhler, List, p. 20.

confusus, Thomson, Opusc. Ent., iv, 1871, p. 442, pt. (*nec* Kirschb.).

Hab. Nearly all Europe; N. America [*Atk.*, Switzerland].

clavatus (*Cimex*), Linn., Syst. Nat. (*ed.* 12), 1767, p. 729: Gmelin, Syst. Nat., iv, 1788, p. 2163, ? : Zott., Ins. Lapp., p. 278: Westwood, Introd. Mod. Class. Ins., ii, p. 121: Meyer, Rhyn. Schw., p. 87, pt.: F. Sahlb., Geoc. Fenn., p. 91: Kirschb., Rhyn. Wiesb., p. 232, sp. 80, p. 297: Flor, Rhyn. Liv., i, p. 569: Fieber, Crit. Phyt., 1859, 34; *id.*, Enr. Hem., p. 314: Dougl. & Scott, Brit. Hom., p. 360, t. 12, f. 8: Ent. Mon. Mag., xii, p. 100: Walk., Cat. Het., vi, p. 86: Saund., Syn., p. 286: Renter, Caps. Syn., p. 24; Rev. Caps., p. 102, pt.; Ent. Mon. Mag., xiv, 1878, p. 245; Rev. Syn. Het., p. 290, 395.

bifasciatus, Schrank, Fanna Boica, 1801, p. 86 (*nec* Fabr.); Fallen, Mon. Cim., p. 99; *id.*, Faun. Sneo., p. 118: Hahn, (*Pilophorus*), Icon. Cim., 1826, f. 22: Zett., Faun. Lapp., p. 498: Walk., Cat. Het., vi, p. 76.
? trilineatus, Müller, Zool. Dan., 1776, p. 106.

Hab. All Europe [*Atk.*, Dunkirk].

confusus, Kirschbaum, Rhyn. Wiesb., 1855, p. 232, sp. 79; p. 293, sp. 9: Flor, Rhyn. Liv., i, p. 573: Fieber (*Camaronotus*), Eur. Hem., p. 314: Walk., Cat. Het., vi, p. 87: J. Sahlb., Vet.-Aka. Handl., xvi (4), 1878, p. 27: Duda, Wien Ent. Zeit., v, 1886, p. 113: Uhler, List, p. 20: Renter, Rev. Caps., p. 102; Ent. Mon. Mag., xiv, 1878, p. 245; *id.*, Rev. Syn. Het., p. 291, note; Rev. d' Ent., v, 1886, p. 121.

clavatus, Herr. Schäff, Wanz. Ins., iii, 1835, p. 47, t. 87, f. 264 (*nec* Linn.).

var. *nitidicollis*, Puton, Rev. d' Ent., vi, 1887, p. 103.

Hab. Nearly all Europe, Turkistan, N. America [*Atk.*, Dunkirk].

fraternus, Uhler, Lintner, Rep. Ins. New York, 1885, p. 186.

Hab. New York.

perplexus, Scott, Ent. Mon. Mag., xii, 1875, p. 101: Renter, Ent. Mon. Mag., xiv, 1878, p. 244; Rev. d' Ent., v, 1886, p. 121.

clavatus (*Phytocoris*), Burm., Handb. Ent., ii (i), 1835, p. 267 (*nec* Linn.):

Meyer, Rhyn. Schw., p. 87, pt: F. Sahlb., Geoc. Fenn., p. 91.

Hab. Nearly all Europe.

pusillus, Renter, Ent. Mon. Mag., xiv, 1878, p. 245.

? clavatus, Costa, Cim. Regu. Noap., iii, 1852: (*nec* Linn.).

Hab. France, Germany, Spain, Italy, Greece.

sinuaticollis, Renter, Ofvers. Finska Soc. Förh., xxii, 1879, p. 202; Fedtsch. Turk., p. 14.

Hab. Turkistan.

Walshii, Uhler, Ent. Am., iii, 1887, p. 30; List, p. 20.

Hab. N. America.

Genus **PAMILLIA.**

Uhler, Ent. Am., iii, 1887, p. 31.

Behrensii, Uhler, l. c., p. 31.

Hab. N. America, San Francisco.

Genus **MIMOCORIS.**

Scott, Ent. Mon. Mag., viii, 1872, p. 195: Walk., Cat. Het., vi, p. 87: Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 23.

coarctatus, Muls. & Rey, Ann. Soc. Linn. Lyon, 1852.

camaranotoides, Dongl. & Scott, Ent. Mon. Mag., viii, 1872, p. 195: Walk.

Cat. Het., vi, p. 87.

rugicollis, Costa, Cim. Regn. Neap. Cent., iii, 1852.

Hab. S. France, Italy, Algeria [*Atk.*, Pyrenees].

Scottii, Berg, Hem. Arg., Add. Emend., 1884, p. 86.

Hab. Buenos Ayres.

Genus **SERICOPHANES.**

Reuter, Caps. Amer., 1875, p. 79.

ocellatus, Reuter, l. c., p. 79: Uhler, List, p. 19.

Hab. Texas.

Genus **MYRMECOMIMUS.**

Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 178; *id.*, Zool. Jahr, Arthr., 1881, p. 247.

Myrmicomimus, Reuter, l. c. *supra*.

paederoides, Costa, Atti Acad. Sc. Napoli, (2 s.) i, 1884, p. 64; *id.*, Bull. Soc. Ent. Ital., xvii, 1885, p. 251.

Hab. Sardinia.

variegatus (*Globiceps*), Costa, Cim. Regn. Neap., Cent. ii, 1847, p. 193, f. 10, in, Atti del Reale Inst. Napoli: Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 178.

Hab. Italy.

Genus **CREMNOCEPHALUS.**

Fieber, Eur. Hem., 1861, p. 63, 246: Walk., Cat. Het., vi, p. 52: Reuter, Rev. Caps., p. 124.

Cremnodes, Fieb., Crit. Gen. Phyt., 1859, 14, t. 6, f. 27.

albolineatus, Reuter, Verh. Zool. Bot. Ges. Wien, 1875, p. 87; Rev. Syn. Het., p. 292.

umbratilis, Fabr., Mant. Ins., 1787, p. 305 (*nec* Linn.); Syst. Rhyn., p. 243: Fallen, Mon. Cim., p. 101; *id.*, Hem. Snec., p. 121: Herr. Schäff., Wanz. Ins., iii, 1835, p. 49, t. 87, f. 266: Meyer, Rhyn. Schw., p. 58: F. Sahlb., Geoc. Fenn., p. 98: Fieber (*Cremnocephalus*), Eur. Hem., p. 246: Thoms., Opusc. Ent., iv, 1871, p. 442: Walk., Cat. Het., vi, p. 52: Reuter, Rev. Caps., p. 124.

Hab. Europe, especially W. Europe [*Atk.*, Hungary].

Genus **MYRMECOPEPLUS.**

Berg, Hem. Arg. Add. Emend., 1884, p. 84.

ornatus (*Monalonion*), Berg, Hem. Arg., 1879, p. 129; Add. Emend., 1884, p. 85.

Hab. Buenos Ayres.

Genus **MYRMECOZELOTES.**

Berg, Hem. Arg. Add. Emend., 1884, p. 87.

Lynchii, Berg, l. c., p. 88.

Hab. Buenos Ayres.

Genus **SYSTELLONOTUS.**

Fieber, Crit. Gen. Phyt., 1859, 92, t. 6, f. 29; Eur. Hem., p. 77, 323: Reut., Bih Vet.-Aka. Handl., iii (i), 1875, p. 26; *id.*, Rev. Caps., p. 120.

? *albofasciatus* (*Phytocoris*), Lucas, Expl. Scient. Alg., iii, 1849, Hem., p. 83, t. 3, f. 6.

See also under *Phytocoris*.

Hab. Algeria, ? Tunis.

alpinus, Frey-Gessner, MT. Schw. Ent. Ges., iv, 1872, p. 21, t. 1, f. 3.

Hab. France, Spain, Switzerland.

Bruckii (*Fieber*), Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 181.

Hab. E. Algeria.

Miscelii, Ferrari, Ann. Mus. Civ. Gen. (2 s.), i, 1884, p. 482: Rev. d' Ent., v, 1886, p. 121.

albofasciatus, Ferrari, Ann. Mus. Civ. Gen., (2 s) i, 1884, p. 282 (*nec* Lucas).

Hab. Algeria, Tunis.

thymi, Signoret, Nouv. guide Amat. Ins., 1859, p. 49; Ann. Soc. Ent. Fr., (5 s.) v, 1865, p. 125: Walk., Cat. Het., vi, p. 66.

Hab. France.

triguttatus (*Cimex*), Linn., Syst. Nat., (ed. 12), 1767, p. 729: Latreille, Hist. Nat., xii, 1804, p. 227 (*nec* Fabr.): Fallen, Mon. Cim., p. 101; Hem. Suec., p. 121: Hahn, Wanz. Ins., ii, p. 99, t. 60, f. 183, Westw., Introd. Mod. Class. Ins., ii, p. 121: Meyer, Rhyn. Schw., p. 90: F. Sahlb., Geoc. Fenn., p. 92: Kirschb., Rhyn. Wiesb., p. 211, sp. 40, p. 270: Fieber (*Systellonotus*), Crit., 38; *id.*, Eur. Hem., p. 324: Flor, Rhyn. Liv., i, p. 480: Dougl. & Scott, Brit. Hem., p. 370, t. 12, f. 2, 2a: Thomson, Opusc. Ent., iv, 1871, p. 86: Walk., Cat. Het., vi, p. 65: Saund., Syn., p. 283: Reuter, Rev. Caps. p. 121: *id.*, Rev. Syn. Het., p. 291.

Hab. All Europe [*Atk*, Stazzano].

unifasciatus (*Fieber*), Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 182.

Hab. Algeria.

venustissimus, Costa, Rend. Acc. Nap. (2 s.), i, 1887, p. 244.

Hab. Italy, Abruzzi.

Genus **CYRTOPELTOCORIS.**

Reuter, Caps. Amer., 1875, p. 81.

albofasciatus, Reuter, *l. c.*, p. 81: Uhler, List, p. 19.

Hab. Texas.

Genus **LAEMOCORIS.**

Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 183; Zool. Jahr., 1879, p. 509: Jakowleff, Bull. Mosc., lvi (4), 1882, p. 364.

Reuterii (Jakowleff), Reuter, *l. c.*, p. 184.

Reitteri, Jakowleff, Bull. Mosc., lvi (4), 1882, p. 365.

Hab. S. Russia.

Genus **PLAGIORHAMMA.**

Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 250, t. 6: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 26.

pilosa, Reuter, Ofvers. Finska Soo. Förh., xxv, 1860, p. 31.

Hab. Addah, W. Africa.

suturalis, Herr. Schöff., Wanz. Ins., iv, 1839, p. 32, t. 120, f. 383 (*form brach.*), ♀ : Fieber, Verh. Zool. Bot. Ges. Wien., xx, 1870, p. 251 : Walker, Cat. Het., vi, p. 64 : Ferrari, Ann. Mus. Civ. Gen., vi, 1874, p. 184, ♀.

sawicola, Costa, *teste* Paton, Rev. d' Ent., ii, p. 287.

Hab. Hungary, Italy.

Genus **EROTICORIS.**

Dougl. & Scott, Brit. Hem., 1865, p. 471 : Walker, Cat. Het., vi, p. 60 : Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 27 ; Rev. Caps., p. 122.

Allodapus, Fieber, Eur. Hem., 1861, p. 262 (*nom-praeoc*).

Hallodapus, Fieber, l. c., p. 66.

? *Omphalonotus*, Reuter, Pet. Nouv. Ent., ii, No. 145, 1876, p. 27.

albiceps, Lethierry, Ann. Soc. Ent. Belg., xxv, 1881, p. 12.

Hab. Guadeloupe.

quadriguttatus (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 205, sp. 29 ; p. 286, sp. 5 : Reuter, Pet. Nouv. Ent., ii, 1876, p. 27.

Hab. Germany.

rufescens (*Halticus*), Burm., Handb. Ent., ii (i), 1835, p. 278 : Flor, Rhyn. Liv., i, p. 543 : Scott, Ent. Ann., 1864, p. 161, t. 1, f. 4, ♂ (*form brach.*) : Dougl. & Scott, Brit. Hem., p. 472, t. 14, f. 6, ♀ (*form brach.*) : Sannd., Syn., p. 281 : Reuter, Pet. Nouv. Ent., 1876, p. 26 ; Rev. Caps., p. 123.

brachypterus (*Capsus*), Bohem., Vet.-Aka. Handl., 1849, p. 254 : Kirschb., Rhyn. Wiesb., p. 231, sp. 78, p. 275.

coryzoides, Herr. Schöff., Wanz. Ins., iv, 1838, p. 35, t. 121, f. 387, ♀ : Fieber (*Allodapus*), Eur. Hem., p. 262 : Walk., Cat. Het., vi, p. 60.

Hab. Scandinavia, Russia, Germany, Switzerland, Britain.

Genus **TRICHIA.**

Reuter, Caps. Amer., 1875, p. 81.

punctulata, Reuter, l. c., p. 82 : Uhler, List, p. 20.

Hab. Texas.

Genus **ETHELASTIA.**

Reuter, Pet. Nouv., Ent., ii, No. 147, 1876, p. 34.

inconspicua (Jakowleff), Reuter, l. c., p. 34.

Hab. S. Russia.

Div. VIII, **DIPLACARIA**, Reuter, Hem. Gymn. Eur., iii, 1883, p. 564.

Genus **DIPLACUS.**

Stål, Stettin. Ent. Zeit., xix, 1858, p. 183: Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 25; *id.*, Rev. Caps., p. 116: Walker, Cat. Het., vi, p. 838.

Myrmecophyes, Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 253, t. 6, f. 10.

alboornatus, Stål, Stettin. Ent. Zeit., xix, 1858, p. 183, t. 1, f. 3 (*form. macr.*): J. Sahlb., Notis. Skpts Fann. Fl. Fenn, xi, 1871, p. 465 (*form. brach.*): Walker, Cat. Het., vi, p. 138: Renter, Caps. Syn., 1875, p. 4; Rev. Caps., p. 116: J. Sahlb., Vet.-Aka. Handl., xvi, (4), 1878, p. 28: Jakowleff, Rev. Mens. d' Ent., i, p. 111.

? *bimaculatus*, Motsch., see also under *Myrmecoris*, p. 31.

Oschanini, Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 253, t. 6, f. 10, (*form brach.*): Walk., Cat. Het., vi, p. 138.

tricondyloides (*Myrmecophyes*), Osch., Bull. Mosc., xliii (i), 1870, p. 131 (*form. brach.*).

Hab. Siberia, Irkntsk, Rnssia.

limbatus, Renter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 172; Fedtsch. Tnrk., p. 19.

Hab. Turkistan.

nigripes, Renter, l. c., p. 172; Fedtsch. Tnrk., p. 18.

Hab. Turkistan.

Div. IX, **LABOPARIA**, Renter, Hem. Gymn. Eur., iii, 1883, p. 567.

Genus **HALTICUS.**

Hahn, Wanz. Ins., i, 1831, p. 112, t. 18, f. a-d: Burm., Handb. Ent., ii (i), 1835, p. 278: Fieb. Eur. Hem., p. 69, 281: Walker, Cat. Het., vi, p. 154: Renter, Rev. Caps., p. 105.

Astemma, pt. Amyot & Serv., Hist. Nat. Ins. Hém., 1843, p. 284.

Halticocoris, Dongl. & Scott, Brit. Hem., 1865, p. 478.

apterus (*Cicada*), Linn., Faun. Suec., 1761, p. 894: Brullé, Hist. Ins., 1835, p. 410, t. 33, f. 6: Am. & Serv., Ins. Hém., p. 284: Costa, Cim. Regn. Neap., Cent. iii, p. 53: Thomson, Opusc. Ent., iv, 1871, p. 441: Sannd., Syn, p. 287: Reuter, Abo Hem., p. 170; Rev. Caps., p. 106; Fedtsch. Turk., p. 17; Rev. Syn. Het., p. 286.

pallicornis (*Acanthia*), Fabr., Ent. Syst., iv, 1794, p. 69; *id.*, (*Salda*), Syst. Rhyng., p. 115: Wolff, Ic. Cim., 1804, p. 128, t. 13, f. 122: Fallen (*Lygaeus*), Mon. Cim., p. 95; *id.*, Hem. Suec., p. 113: Hahn (*Halticus*), Wanz. Ins., i, p. 114, t. 18, f. 61: Burm., Handb. Ent. ii (i), 1835, p. 278: Am. & Serv. (*Astemma*), Ins. Hém., p. 284: Meyer (*Capsus*), Rhyn. Schw., p. 110: Kolenati (*Eurycephala*), Mel. Ent., ii, p. 130: F. Sahlb., Geoc. Fenn., p. 118: Kirschbaum (*Eurymecoris*), Rhyn. Wiesb., p. 262, 280, sp. 151: Fieber, Crit. 24; *id.*, Eur. Hem., p. 282: Dongl. & Scott (*Halticocoris*), Brit. Hem., p. 479; Walk., Cat. Het., vi, p. 129: Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 411.

pallidicornis, Herr. Schöff., Nomencl. Ent., i, 1835, p. 53: Flor, Rhyn. Liv., i, p. 583: Fieber, Wien. Ent. Monats., viii, 1864, p. 221.

Hab. All Europe; Turkistan, United States [*Atk.* Lille, Genoa, Hungary].

bicolor, Mulsant & Rey. Ann. Soc. Linn. Lyon, 1852: Puton, Cat., 1886, p. 53.

Hab. France, Spain.

bracteatus (*Capsus*), Say ; Uhler, List, p. 20.

Hab. United States.

consimilis, Jakowloff, Trudi Russki Ent., x, 1876-77, p. 94.

Hab. N. Persia, S. Russia.

Hensehii, Rentor, Rev. d' Ent., viii, 1888, p. 58.

Hab. Illyria.

luteicollis (*Lygaeus*), Panzer, Faun. Germ., 1805, 93, f. 18, Lepel. & Serv., Enc. Méth., x, p. 324 : Lap. (*Miris*), Ess. Class. Syst., 1832, p. 40 : Herr. Schäff., Nomencl. Ent., i, p. 53 : Fieb., Eur. Hem., p. 281 : Dougl. & Scott, Brit. Hem., p. 480, t. 21, f. 1 : Saund., Syn., p. 287 : Walk., Cat. Het., vi, p. 129 : Reuter, Rev. Caps., p. 107 : Rev. Syn. Het., p. 287.

bicolor, Germar, Faun. Ins. Eur., v, 1819, p. 22.

ochrocephalus, Fieb., Beitr., 1836, p. 105, f. 4 : Crit. Gen. Phyt., 1859, g. 24.

var. *propinquus*, Herr. Schäff., Wanz. Ins., vi, 1842, p. 47, t. 196, f. 606 : Costa, Cim. Regn. Ncap., Cent. iii, 1852, p. 53 : Kirschb., Rhyn. Wiesb., p. 260, sp. 147.

Hab. S. & Middle Europe [*Atk.*, Lille, Stazzano].

macrocephalus, Fieber, Crit. sp., 1859, 12 : Eur. Hem., p. 282 : Wien. Ent. Mouats., viii, 1864, p. 221 : Walk., Cat. Het., vi, p. 129.

Hab. Corsica.

minutus, Reuter, Ent. Tijds., v, 1884, p. 197.

Hab. Singapur.

puncticollis, Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 261 : Walk., Cat. Het., vi, p. 129.

Hab. Montenegro.

pusillus (*Capsus*), Herr. Schäff., Nomencl. Ent., 1835, p. 53 : Reut., Abo Hem., /p. 170 : Rev. Caps., p. 107.

arenarius, (*Attus*), Hahn, Wanz. Ins., iii, 1835, p. 34, t. 84, f. 255 : Kirschb., Rhyn. Wiesb., p. 261, sp. 148, p. 280.

intricatus, Fieb., Wien. Ent. Mouats., viii, 1864, p. 220 : Walk., Cat. Het., vi, p. 130.

Hab. Scandinavia, Germany, Austria.

saltator (*Cimex*), Geoffr., Fourcr. Ent. Par., 1785, p. 218 : Rossi, Mant. Ins., ii, 1794, p. 56 : Reuter, Rev. Syn. Het., p. 287.

erythrocephalus, Herr. Schäff., Nomencl. Ent., i, 1835, p. 53 : Kirschb., Rhyn. Wiesb., p. 262, sp. 152 : Fieber, Eur. Hem., p. 281 : Walk., Cat. Het., vi, p. 129 : Reuter, Berliu. Ent. Zeits., xxv, 1881, p. 179.

leucocephalus, Goeze, Ent. Beytr., ii, 1778 (*nec* Linu.), p. 205.

mercurialis (*Astemma*), Guérin, Icon. Regne Anim., Texte, iii, p. 348 : Icon., ii, 1834, t. 56, f. 7.

Hab. France, Spain, Italy, Germany.

Spegazzinii, Berg, Hem. Arg. Add. Emend., 1884, p. 91.

Hab. Buenos Ayros.

Genus **CORIDROMIUS.**

Signoret, Bull. Soc. Ent. Fr. (4 s.), ii, 1862, p. v.

Ocypus, Moutrouzier, l. c., Ann., i, 1861, p. 67 (*nom. praeoc.*).

variegatus (*Ocypus*), Montrouzier, l. c., p. 67: Walk., Cat. Het., vi, p. 145.

Hab. New Caledonia.

Genus **STRONGYLOCORIS.**

Costa, Cim. Reg. Neap., iii, 1852, p. 263.

Stiphrosoma, Fieber, Crit. Gen. Phyt., 1859, g. 46, t. 6, f. 12: Dougl. & Scott, Brit. Hem., p. 481: Enr. Hem., p. 69, 280: Walk., Cat. Het., vi, p. 133: Reuter, Rev. Caps., p. 103.

amabilis, Dougl. & Scott, Ent. Mon. Mag., iv, 1868, p. 136: Walk., Cat. Het., vi, p. 134.

Hab. Syria.

cicadifrons, Costa, Cent. Cim. Regn. Neap., iii, 1852, p. 263: Reut., Rev. Syn. Het., p. 286.

? *leucocephalus*, Coq., Ill. Ic. Ins., ii, 1801, p. 83, t. 19, f. 9 (*nec* Linn.).

Hab. Italy, S. Franco, Spain.

crythroleptus, Costa, Cim. Rogn. Neap. Cent., iii, 1852, p. 264.

Hab. S. France, Italy [*Atk.*, Genoa].

leucocephalus (*Cimeæ*), Linn., Syst. Nat. (ed. 10), 1758, p. 446: De Geer, Mém., iii, p. 290: Fabr., Syst. Ent., p. 724, ?; *id.*, Ent. Syst., iv, p. 175; Syst. Rhyng., p. 237: Coq. Ill. Ic., 1801, p. 83, t. 19, f. 9 ?; Wolff (*Lygaeus*), Ic. Cim., ii, p. 76, t. 13, f. 73: Panzer, Fauna Germ., 92, 1804, f. 12: Fallen, Mon. Cim., p. 94; *id.*, Hem. Suec., p. 111: Zett. (*Phytocoris*), Fann. Lapp., p. 495; *id.*, Ins. Lapp., p. 276: Hahn, Wanz. Ins., ii, p. 88, t. 57, f. 174: Bnrm. (*Attus*), Handb. Ent., ii (i), p. 276: Blanchard (*Strongylocoris*), Hist. Ins., 1840, p. 140: Meyer (*Capsus*), Rhyn. Schw., p. 109: F. Sahlb., Geoc. Fenn., p. 117: Costa, Cim. Rogn. Neap., Cent. iii, p. 48: Kirschb., Rhyn. Wiesb., p. 246, sp. 114: Flor, Rhyn. Liv., i, p. 558: Fieber (*Stiphrosoma*), Crit., 24; *id.*, Eur. Hem., p. 281: Dougl. & Scott, Brit. Hem., p. 482, t. 21, f. 2: Stål, Hem. Fabr., i, p. 88: Thomson, Opusc. Ent., iv, p. 433: Walk., Cat. Het., vi, p. 133: Saund., Syn., p. 288: Renter, Rev. Caps., p. 104; Ent. Mon. Mag., xvi, p. 12; *id.*, Rev. Syn. Het., p. 284.

decrepitus, Fabr., Ent. Syst., iv, 1794, p. 125; Syst. Rhyng., p. 254: Latreille, Turton.

var. *steganoideus*, J. Sahlb., Notis Skpts pro Faun. Flor. Fenn., xiv, 1875, p. 306: Ronter, Rev. Caps., p. 104.

Hab. All Europe [*Atk.*, Austria].

luridus (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 112: Herr. Schöff., Wanz. Ins., iii, 1835, p. 87, t. 101, f. 312: Flor, Rhyn. Liv., i, p. 559: Thomson, Opusc. Ent., iv, p. 433: Fieber, Eur. Hom., p. 281: Walk., Cat. Het., vi, p. 134: Saund., Syn., p. 288: Renter, Rev. Caps., p. 105.

Hab. Nearly all Enrope.

niger (*Capsus*), Herr. Schöff., Nomencl. Ent., i, 1835, p. 53.

atrocoeruleus, Fieber, Wien. Ent. Monats., viii, 1864, p. 329: Walk., Cat. Het., vi, p. 134.

Hab. S. Europe.

nigerrimus (*Capsus*), Herr. Schöff., Wanz. Ins., iii, 1835, p. 87, t. 101, f. 311: Fieber, Eur. Hem., p. 392: Walk., Cat. Het., vi, p. 134.

Hab. Germany, France, Italy.

nigritarsis, Costa, Cim. Regn. Neap. Cent. iii, 1852.

Hab. Italy.

obesus (*Capsus*), Perris, Ann. Sec. Linn. Lyon, iv, 1857, p. 165.

lividus, Fieber, Crit. Phyt., 1859, sp. 11; Eur. Hem., p. 281: Walk., Cat. Het., vi, p. 134.

var. ? *obscurus*, Rambur Faun. Andal., 1842.

Hab. Scandinavia, France, Germany, Russia.

stygius (*Capsus*), Say: Uhler, List, p. 20.

Hab. United States.

Genus **TENTHECORIS.**

Scott, Ent. Mon. Mag., xxiii, 1886, p. 65.

bicolor, Scott, l. c., p. 65.

Hab. Conservatories, ? W. Indics.

Genus **PIEZOCRANUM.**

Horvath Termes. Füz., 1877, p. 92.

simulans, Horvath, l. c., p. 93.

Hab. Hungary.

Genus **PLATYPSALLUS.**

J. Sahlberg, Not. Skpts. pro Faun. Flor. Fenn. xiv, 1870, p. 308: Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 24; Rev. Caps., p. 108.

acanthioides, J. Sahlb., l. c., *supra*, p. 308: Vet.-Aka. Handl., xvi (4), 1878, p. 27: Reuter, Rev. Caps., p. 108, t. 1, f. 15, 15a.

Hab. Russian Lapland.

Genus **LABOPS.**

Burm., Handb. Ent., ii (i), 1835, p. 279: Walk. Cat. Het., vi, p. 137 pt: Fieber, Eur. Hem., p. 71, 294, pt: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 24, pt; Rev. Caps., p. 113, pt.

Anapus, Stål, Stettin. Ent. Zeit., xix, 1858, p. 188: Walk., l. c., *supra*, p. 47, 160.

Merotrichaea, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 24.

Orthocephalus, Fieber, Crit. Gen. Phyt., 1859, 60, t. 6, f. 16; Eur. Hem., p. 71, 291: Dougl. & Scott, Brit. Hem., p. 429: Reuter, Rev. Caps., p. 109.

- subg. *Euryopicoris*, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 24; Rev. Caps., p. 115.
- „ *Labops*, Burmeister, Handb. Ent., ii (i), 1835, p. 279: Walk., *l. c.*, *supra*, p. 137: Reuter, *l. c.*, *supra*, p. 24.
- „ *Ophthalmocoris*, Zott., Ins. Lap., 1840, p. 280.
- „ *Pachytoma*, Costa, Ann. Soc. Ent. Fr., 1841, x, p. 288: Walk., *l. c.*, *supra* p. 135.
- alutaceus**, Puton, Ann. Soc. Ent. Fr., (5 s.) iv, 1874, p. 218.
Hab. Spain.
- arenarius** (*Pachytoma*), Horvath, Termes. Füz., viii, 1884, p. 14.
Hab. Hungary.
- bilineatus**, Jakowleff, Bull. Mosc., xlix (3), 1875, p. 169.
Hab. S. Russia.
- bivittatus**, Fieber, Wien. Ent. Monats., viii, 1864, p. 221: Walk., Cat. Het., v p. 137: Horvath, Term. Füz., v, p. 229 (*form macr.*).
Hab. Germany, France, Russia.
- brevipennis**, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 203; Fedtsch. Turk., p. 18.
Hab. Turkistan.
- brevis** (*Cimex*), Panzer, Fauna Germ., lix, 1798, f. 8: Fieber, Crit. Phyt., 1859, 28: Kirschb., Rhyn. Wiesb., p. 244, sp. 109: Flor. Rhyn. Liv., i, p. 563; Walk., Cat. Het., vi, p. 137: Reuter, Rev. Caps., p. 110; *id.*, Berlin. Ent. Zeits., xxv, 1881, p. 179; Rev. Syn. Het., p. 288.
? *cinereo-nigricans*, Goeze, Ent. Beytr., ii, 1778, p. 276.
confinis, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 35, ♂.
Panzeri, Fieber, Eur. Hem., 1861, p. 294.
Hab. Scandinavia, Russia, Germany, France, Tnnis [*Atk.*, Wallachia].
- bolivarii**, Reuter, Ofvers. Finska Soc. Förh., xxxii, 1880, p. 19.
Hab. Spain.
- Burmeisterii**, Stål, Stottin Ent. Zeit., xix, 1858, p. 189, ♀: J. Sahlb., Vet.-Aka. Handl., xvi (4), 1878, p. 28: Walk., Cat. Het., vi, p. 137.
Hab. Siberia, Kamtschatka.
- coraeinus**, Puton, Ann. Soc. Ent. Fr., (5 s.) iv, 1874, p. 217, f. 6, 7.
Hab. Basin of Mediterranean.
- coriaceus** (*Acanthia*), Fabr., Gon. Ins., 1776, p. 299: (*Salda*), Syst. Rhyug., p. 115: Stål, Hem. Fabr., i, p. 88: Thomson, Opusc. Ent., iv, p. 94: Walk., Cat. Het., vi, p. 137: Sannd., Syn., p. 289: Reuter, Hem. Gymn., Scan. & Fenn., p. 110, *id.*, Rev. Syn. Het., p. 288.
grylloides, Goeze, Ent. Beytr., ii, 1778, p. 187.
mutabilis, Fallen, Mon. Cim., 1807, p. 98; *id.*, Hem. Suec., p. 118: Bnrm. Handb. Ent., ii (i), p. 277? : Kirschb., Rhyn. Wiesb., p. 243, sp. 107, p. 278: Fieber, Eur. Hom., p. 293: Dongl. & Scott, Brit. Hom., p. 430: Walk., Cat. Het., vi, p. 137.
pilosus, Hahn, Wanz. Ins., ii, 1831, p. 96, t. 59, f. 181: Herr. Schäff., Nome-

ncl. Ent., i, p. 52 : Meyer, Rhyn. Schw., p. 59 : Flor, Rhyn. Liv., i, p. 564.

Hab. Nearly all Europe [*Atk.*, Lille].

debilis, Reuter, Ofvers. Finska Soc. Förh., xxii, 1880, p. 20.

Hab. Basin of Mediterranean.

Doriae, Ferrari & Reuter, Ann. Mns. Civ. Gen., (2 s.) i, 1884, p. 480.

Hab. Tnnis.

flavomarginatus, Costa, Ann. Soc. Ent. Fr., x, 1841, p. 286, t. 6, f. 3a : Cim. Regn., Neap. Cent., iii, 1852, p. 278, t. 3, f. 3, 4 : Reuter, Berl. Ent. Zeits., xxv, 1881, p. 180, pt.

Hab. Italy.

Freyii, Fieber, Wien. Ent. Monats., viii, 1864, p. 223 : Walk., Cat. Het., vi, p. 137 ; Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 180.

Jakowleffi, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 36, (*form. macr.*).

Hab. S. Russia.

funestus (*Orthocephalus*), Jakowleff, Bull. Mosc., lvi (i), 1881, p. 195.

Hab. Russia, Vladivostock.

hesperius, Uhler, Hayden Surv. Mont., 1872, p. 416 ; Bnll. Un. St. Surv., ii, 1876, p. 319 ; iii, 1877, p. 417 ; List, p. 20.

Hab. British America, Colorado.

Kirschbaumii, Stål, Stettin. Ent. Zeit., xix, 1858, p. 189, t. 1, f. 2a, b : Walk., Cat. Het., vi, p. 160.

opacus, Jakowleff, Bull. Mosc., xlix (3), 1875, p. 170.

Hab. Astrakhan, Sarepta, Bogdo, Siberia

longicornis (*Anapus*), Jakowleff, Bull. Mosc., lvi (4), 1882, p. 360.

Hab. Russia, Orenburg.

marginellus, Puton, Rev. d' Ent., vi, 1887, p. 306.

Hab. Algeria.

minor, Costa, Ann. Soc. Ent. Fr., X, 1841, p. 289, t. 6, f. 4a : Fieb., Eur. Hem., p. 294 : Walk., Cat. Het., vi, p. 137.

minutus, Lucas, Expl. Scient. Algerie, iii, 1849, p. 85, t. 3, f. 8.

Passerinii, Costa, Ann. Soc. Ent. Fr., x, 1841, p. 288, ♂.

rugicollis, Lucas, l. c. *supra*, p. 85, t. 3, f. 7.

Hab. S. Europe, Tunis [*Atk.* Genoa].

nebulosus, Fieber, Eur. Hem., 1861, p. 393 : Walk., Cat. Het., vi, p. 136.

Hab. Spain.

niger, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 203 ; Fedtsch. Turk., p. 17.

Hab. Turkistan.

nigrita, Jakowleff, Bull. Mosc., lvi (4), 1882, p. 360.

Hab. Russia, Orenburg.

nitidus, Meyer, Rhyn. Schw., 1843, p. 113, t. 6, f. 4 : Kolenati, Mel. Ent., ii, p. 130 : Flor, Rhyn. Liv., i, p. 561 : Fieber, Eur. Hem., p. 293 : Walk., Cat. Het., vi, p. 136 : Reuter (*Euryopocoris*), Rev. Caps., p. 115 ; *id.*, Berlin. Ent. Zeits., xxv, 1881, p. 180 : J. Sahlb. Vet.-Aka. Handl., xvi (4), 1878, p. 28.

- albonotatus* (*Halticus*), Costa, Cim. Regu. Neap., Cent. Addit., 1860, p. 32
t. 3, f. 9.
Hab. France, Switzerland, Hungary, Germany, S. Russia, Scandinavia.
- pachymerus*, Renter, Berlin. Ent. Zeits., xxv, 1881, p. 159.
Hab. Spain.
- parallelus*, Meyer, Rhyn. Schw., 1843, p. 57, t. 6, f. 3 : P. N. E., no. 110, 1874, p. 446.
minor, Gredler, Nachlese Wanz. Tirols (*nec* Costa).
Hab. France, Switz., Germany, Spain [*Atk.* Vosges, Franco].
- phoeniceus* (*Orthocephalus*), Horvath, Termes. Füz., viii, 1884, p. 14.
Hab. Syria, Kaifa.
- punctatipennis*, Renter, Berlin. Ent. Zeits., xxv, 1881, p. 159.
Hab. Dalmatia.
- punctigera*, Horvath, Term. Füzetek., v, 1881, p. 42.
Hab. Syria.
- Putonii*, Renter, Rev. d' Ent., i, 1882, p. 277.
Hab. France.
- Reuterii*, Jakowleff, Hem. Cauc., 1879, p. 132 ; *id.*, Bnll. Mosc., lvi (4), 1882, p. 134.
Hab. Caucasus, Derbent.
- rhyparopus*, Fieber, Wien. Ent. Monats., viii, 1864, p. 222 : Walk., Cat. Het., vi,
p. 137.
Hab. S. Russia.
- rugicollis*, Jakowleff, Bull. Mosc., lii (2), 1877, p. 292 : Reut., Berlin. Ent. Zeits.,
xxv, 1881, p. 159, noto : Chicote, An. Soc. Esp. N. H., ix, 1880, p. 191.
Hab. S. Russia, Sarepta.
- Sahlbergii* (*Capsus*), Fallen, Hem. Suec., 1829, p. 116 : Flor, Rhyn. Liv., i, p. 634 :
Zett. (*Ophthalmocoris*), Ins. Lapp., p. 280, ♀ : F. Sahlb., Geoc. Fenn., p. 118 :
Thomson, Opusc. Ent., iv, p. 432 : Fieb., Eur. Hem., p. 294 : Walk., Cat. Het., vi,
p. 137 : Renter, Rev. Caps., p. 113.
diopsis, Burm., Handb. Ent., ii (i), 1835, p. 279 : Herr. Schöff., Wanz. Ins.,
ix, p. 166, t. 313, f. 961-2.
Hab. Scandinavia, Russia, France.
- saltator* (*Capsus*), Hahn, Wanz. Ins., iii, 1835, p. 11, t. 76, f. 236 : Meyer, Rhyn.
Schw., p. 112 : Kirschb., Rhyn. Wiesb., p. 243, sp. 108, p. 278 : Thoms., Opusc.
Ent., iv, p. 432 : Fieber, (*Orthocephalus*), Eur. Hem., p. 293 : Dongl. & Scott, Brit.
Hem., p. 431, t. 14, f. 2 (*form. brach.*) : Walk., Cat. Het., vi, p. 136 : Saund., Syn.,
p. 289 : Renter (*Orthops*), Rev. Caps., p. 111 ; Pet. Nonv. Ent., ii, no. 147, 1876
p. 33.
hirtus, Curtis, Brit. Ent., xv, 1838, t. 693.
infuscatus (*Globiceps*), Garbigl., Bnll. Soc. Ent. Ital., i, 1869, p. 190
Walk., Cat. Het., vi, p. 63.
major, Costa, Cim. Regn. Neap. Cent., iii, 1852.
mutabilis, Burm., Handb. Ent., ii (i), 1835, p. 277 : Flor, Rhyn. Liv., i, p. 567.
mutabilis, var., Fallen, Hem. Suec., 1829, p. 118.
Hab. N. & Middle Enrope [*Atk.*, Lille].

satyriscus, Scott, Stettin. Ent. Zeit., xxxii, 1870, p. 101: Walk., Cat. Het., vi, p. 54.
Hab. Spain.

Schmidtii, Fieber, Crit., 1859, sp. 15; Enr. Hem., p. 292: Walk., Cat. Het., vi, p. 136.

Hab. S. Germany.

sibiricus, Sahlberg, Vet.-Aka. Handl., xvi (4), 1878, p. 28.

Hab. Siberia.

signatus, Fieber, Enr. Hem., 1861, p. 292: Walk., Cat. Het., vi, p. 136.

flavomarginatus, Leth. & Puton (*nec* Costa), *teste* Reuter, Berlin. Ent. Zeits., xxix, 1885, p. 47.

? *gracilis*, Rambur, Fauna Andal., 1842.

Hab. France, Spain, Algeria.

stygialis, Muls. & Rey, Ann. Soc. Linn. Lyon, 1852: Puton, Cat., 1886.

Hab. S. France.

tauricus, (*Pachytoma*), Horvath, Term. Füz., iv, 1880, p. 185.

Hab. S. Russia, Krim.

tenuicornis, Muls. & Rey, Opusc. Ent., i, p. 152, in Ann. Soc. Linn. Lyon, 1852.

Horvath, Term. Füz. v, p. 224.

Hab. France, Russia, Syria.

tristis, Fieber, Eur. Hem., 1861, p. 292: Walk., Cat. Het., vi, p. 136.

Hab. Spain.

vittipennis (*Capsus*), Herr. Schöff., Nomencl. Ent., 1835, p. 52; *id.*, Wanz. Ins., iii, p. 83, t. 100, f. 305: Meyer, Rhyn. Schw., p. 56: F. Sahlb., Gooc. Fenn., p. 120: Flor, Rhyn. Liv., i, p. 566: Fieber, Crit. sp. 28; *id.*, Eur. Hem., p. 293: Thomson, Opusc. Ent., iv, 1871, p. 432: Walk., Cat. Het., vi, p. 136: Horvath, Termes. Füzet., v, p. 224: Reuter, Rev. Caps., p. 112; *id.*, Rev. Syn. Het., p. 289.

? *hirtus*, Müller, Zool. Dan., 1776, p. 108.

Hab. Scandinavia Russia, Switzerland, Austria.

Genus **BOLTERIA.**

Uhler, Ent. Am., iii, 1887, p. 33.

amicta, Uhler, *l. c.*, p. 34.

Hab. New Mexico.

Genus **SEMIUM.**

Reuter, Caps. Amer., 1875, p. 20.

hirtum, Reuter, *l. c.*, p. 80: Uhler, List, p. 19.

Hab. Texas.

Genus **LABOPIDEA.**

Uhler, Bull. Un. St. Surv., iii, 1877, p. 415.

chloriza, Uhler, *l. c.*, p. 416: List, p. 20.

Hab. Utah.

Genus **IRBISIA.**

Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 57; Zool. Jahr., 1879, p. 509.

sericans (*Leptomerochoris*), Stål, Stettin. Ent. Zeit., xix, 1858, p. 188: Walk., Cat.

Het., vi, p. 144: Reut., *l. c.*, *supra*.

Hab. Siberia, Sitka.

Genus **DASOSCYTUS.**

Fieber, Wien. Ent. Monats., viii, 1864, p. 84, t. 2, 11.

sordidus, Fieber, *l. c.*, p. 85: Walk., Cat. Het., vi, p. 157.

Hab. Spain.

Genus **PLAGIOTYLUS.**

(Fieber) Scott, Ent. Mon. Mag., x, 1874, p. 272.

maculatus, Scott, *l. c.*, p. 273: Puton, Bull. Soc. Ent. Fr., (5 s.), ix, 1879, p. ex.

Hab. Britain, France.

Genus **HYOIDEA.**

Reuter, Pet. Nouv. Ent., ii, No. 147, 1876, p. 34.

notaticeps, Reuter, *l. c.*, p. 34.

Hab. Russia, Hungary.

Div. X, **EXAERATARIA**, Reuter, Hem. Gymn. Eur., iii, 1883, p. 566.

Genus **EXAERETUS.**

Fieber, Wien. Ent. Monats., viii, 1864, p. 81, t. 2, 9: Walk., Cat. Het., vi, p. 70:

Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 39: Walk., Cat. Het., vi, p. 69.

Meyeri (*Camptotylus*), Frey Gessner, MT. Schw. Ent. Ges., 1863, p. 119: Fieb.,

l. c., *supra*, p. 81: Walk., Cat. Het., vi, p. 157.

Hab. S. Russia, Sarepta [*Atk.*, Sarepta, S. Russia].

Genus **CAMPTOTYLUS.**

Fieber, Eur. Hem., 1861, p. 70, 286: Walk., Cat. Het., vi, p. 157: Reuter, Bih. Vet.-

Aka. Handl., iii (i), 1875, p. 32, pt.

Reuterii, Jakowleff, Bull. Mosc., lvi (i), 1881, p. 196.

Hab. S. Russia, Astrakhan, Sarepta.

Yersinii, Muls. & Rey, Ann. Soc. Linn. Lyon, vii, 1856, p. 129: Fieb., Eur. Hem.,

p. 287: Walk., Cat. Het., vi, p. 157.

Hab. S. France, Spain.

Genus **MEGALOBASIS.**

Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 205; Zool. Jahr., 1879, p. 509;

Fedtsch. Turk., p. 23.

bipunctatus, Reuter, Ofvers., l. c., p. 205; Fedtsch. Turk., p. 24.

Hab. Turkistan.

Linæ, Puton, Bull. Soc. Ent. Fr., (6 s.) i, 1881, p. lxx.

aphidioides, Jakowleff, Bull. Mosc., lvi (i), 1881, p. 190: *teste* Reut., Berlin. Ent. Zeits., xxix, 1885, p. 159.

bipunctatus, var., Puton, MT. Schw. Ent. Ges. vi, 1881, p. 126, *nec* Reuter).

Hab. S. Russia, Caucasus.

Div. XI, **CREMNORRHINARIA**, Reuter, Hem. Gymn. Eur., iii, 1883, p. 567.

Genus **CREMNORRHINUS**.

Reuter, Ofvers. Finska Soc. Förh., xxii, 1880, p. 18: Zool. Jahr., 1880, p. 140.

basalis, Reuter, l. c., p. 19.

Hab. Greece.

Div. XII, **BOOPIDOCORARIA**, Reuter, Hem. Gymn. Eur., iii, 1883, p. 567.

Genus **BOOPIDOCORIS**.

Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 202; Zool. Jahr., 1879, p. 509; Fedtsch. Turk., p. 15.

vitticollis, Reuter, l. c., p. 202; Fedtsch. Turk., p. 16.

Hab. Turkistan.

Div. XIII, **DICYPHARIA**, Reuter, Hem. Gymn. Eur., iii, 1883, p. 408, 566.

Genus **MACROLOPHUS**.

Fieber, Crit. Phyt. Gen., 1859, g. 89, t. 6, f. 25, 32; *id.*, Eur. Hem., p. 76, 321: Reuter, Rev. Caps., p. 125; Hem. Gymn. Eur., iii, p. 435, 559, t. 1, f. 18.

costalis, Fieber, Crit. Phyt., 1859, sp. 41; *id.*, Eur. Hem., p. 322: Walk., Cat. Het., vi, p. 143: Reuter, Hem. Gymn. Eur., iii, p. 436, 563, t. 4, f. 2.

? *melanotoma*, Costa, Cim. Regn. Neap., Cent., iii, 1852, p. 269; Reuter, l. c., *supra*, p. 438, 563.

Hab. Spain, Corsica, Italy, Switzerland, Greece.

glaucescens, Fieber, Crit., 1859, sp. 39; *id.*, Eur. Hem., p. 321: Walk., Cat. Het., vi, p. 143: Reuter, Hem. Gymn. Eur., iii, p. 438, 563.

Hab. Hungary.

nubilus (*Capsus*), Herr. Schöff., in Panzer Fauna Germ., 135, t. 9: Meyer., Rhyn. Schw., p. 89: Fieber (*Macrolophus*), Eur. Hom., p. 322: Dougl. & Scott, Brit. Hem., p. 382, t. 12, f. 6: Walk., Cat. Het., vi, p. 143: Saund., Syn., p. 286: Reuter, Rev. Caps., p. 126; Hem. Gymn. Eur., iii, p. 437, 477, 563, t. 1, f. 18; t. 4, f. 3.

? *pygmaeus*, Rambur, Faun. Audal., 1842, p. 163.

Hab. Scandinavia, N. Europe, Britain, France, Spain, Switzerland, Germany, Austria, Italy [*Atk.*, Genoa].

Genus **CYRTOPELTIS.**

Fieber, Eur. Hem., 1861, p. 76, 323 : Renter, Hem. Gymn. Eur., iii, p. 434, 559, t. 1, f. 17.

chlorogaster (*Capsus*), Berg, Hem. Arg., 1879, p. 290 ; Add. Emend., 1884, p. 92.

Hab. Uruguay.

geniculata, Fieber, Eur. Hem., 1861, p. 323 : Walk., Cat. Het., vi, p. 144 : Renter, Hem. Gymn. Eur., iii, p. 435, t. 4, f. 1.

Hab. Spain, France, Italy, Switzerland, Austria, Tyrol [*Atk.*, Stazzano].

Genus **DICYPHUS.**

Fieber, Crit. Phyt., 1859, 94 ; *id.*, Eur. Hem., p. 77, 325 : Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 27 ; Caps. Amer., p. 82 ; *id.*, Rev. Caps., p. 126 ; Hem. Gymn. Eur., iii, p. 411, 599, t. 1, f. 16.

Brachyceraea, Fieber, Crit. Phyt., 1859, g. 93 : *id.*, Eur. Hem., p. 77, 324.

Idolocoris, Douglas & Scott, Brit. Hem., 1865, p. 380.

agilis (*Idolocoris*), Uhler, Bull. Un. St. Surv., iii, 1878, p. 425 ; List, p. 20.

Hab. E. United States, Canada, Colorado.

annulatus (*Gerris*), Wolff, Ic. Cim., iv, 1804, p. 162, t. 16, f. 156 : Herr. Schöff. (*Capsus*), Wanz. Ins., iii, p. 52, t. 88, f. 270 : Meyer, Rhyn. Schw., p. 80 : Kirschb., Rhyn. Wiesb., p. 207, sp. 33, 247 : Fieber (*Brachyceraea*), Crit., 39 ; Eur. Hem., p. 325 ; Dougl. & Scott (*Idolocoris*), Brit. Hem., p. 376 : Walk., Cat. Het., vi, p. 64 : Saund. (*Dicyphus*), Syn., p. 284 : Reuter, Hem. Gymn. Eur., iii, p. 432, 563, t. 2, f. 7 ; Rev. Syn. Het., p. 293.

Hab. Nearly all Middle & S. Enrope [*Atk.*, Dunkirk].

californicus (*Capsus*), Stål, Freg. Eng. Resa, Hem., 1859, p. 259 : Walk., Cat. Het., vi, p. 66 : Renter, Caps. Amer., 1875, p. 82 : Uhler, List, p. 21.

Hab. California.

constrictus (*Capsus*), Bohem., Ofvers. Vet.-Aka. Förh., 1852, p. 74 : Renter, Ent. Mon. Mag., xx, 1883, p. 51 ; Hem. Gymn. Eur., iii, p. 413, 560.

? *collaris*, Zett., Ins. Lapp., 1840, p. 279 (*nec* Fallen).

pallidus, Thomson, Opusc. Ent., iv, 1871, p. 435 ; Reuter, Rev. Caps., p. 128 ; *id.*, Ent. Mon. Mag., xx, p. 51.

Hab. Scandinavia, Scotland.

epilobii, Reuter, Ent. Mon. Mag., xx, 1883, p. 52 ; *id.*, Hem. Gymn. Eur., iii, p. 415, 561.

pallidus (*Idolocoris*), Dougl. & Scott, Brit. Hem., 1865, p. 380 (*nec* Herr. Schöff.)

Hab. Britain, France, Germany, N. Italy [*Atk.*, Lille].

errans (*Gerris*), Wolff, Ic. Cim., iv, 1804, p. 161, t. 16, f. 155 : Fieber (*Dicyphus*), Eur. Hem., p. 326 : Thomson, Opusc. Ent., iv, 1871, p. 435 : Walk., Cat. Het., vi, p. 65 : Saund. Syn., p. 285 : Reuter, Ent. Mon. Mag., xx, p. 52 : Rev. Caps., p. 127 ; Hem. Gymn. Eur., iii, p. 417, 561, t. 3, f. 4 ; Rev. Syn. Het., p. 293.

collaris, Fallen, Mon. Cim., 1807, p. 103 ; *id.*, Hem. Succ. p. 125 : Hahn, Wanz. Ins., ii, p. 121, f. 203 : Moyer, Rhyn. Schw., p. 83 : Kolenati

(*Blepharidopterus*), Mel. Ent, ii, p. 107: Costa, Cim. Regn. Neap., Cent., iii, p. 44: Kirschb., Rhyn. Wiesb., p. 202, sp. 24: Fieber (*Dicyphus*), Crit, 1859, 39: Dougl. & Scott, (*Idolocoris*), Brit. Hem., p. 379, t. 12, f. 4.

Hab. Nearly all Europe, Britain, Algeria [Atk., Lille].

famelicus (*Idolocoris*), Uhler, Proc. Bost. Soc. N. H., xix, 1878, p. 413; List, p. 20.

Hab. United States, New Hampshire.

geniculatus (*Brachyceraea*), Fieber, Enr. Hem., 1861, p. 325: Walk., Cat. Het., vi, p. 65: Reuter, Hem. Gymn. Eur., iii, p. 429, 562, t. 2, f. 8.

Hab. Corsica [Atk., Genoa].

globulifer (*Capsus*), Fallen, Hem. Suec., 1829, p. 124: Flor, Rhyn. Liv., i, p. 512: Fieber (*Brachyceraea*), Eur. Hem., p. 325: Dougl. & Scott (*Idolocoris*), Brit. Hem., p. 377: Thomson (*Orthotylus*), Opusc. Ent., iv, p. 435: Walk., Cat. Het., vi, p. 65: Saund. (*Dicyphus*), Sgn., p. 284: Reuter, Rev. Caps., p. 127; Hem. Gymn. Eur., iii, p. 430, 563, t. 2, f. 9.

alienus (*Capsus*), Herr. Schöff., Wanz. Ins., iii, 1835, p. 53, t. 88, f. 271: Meyer, Rhyn. Schw., p. 80: Kirschb., Rhyn. Wiesb., p. 208, sp. 34.

cyllocoroides (*Capsus*), Scholtz., Arb. n. Veränd. d. Schles. Ges., 1846, 133, sp. 64.

scabricollis, Costa, Cim. Regn. Neap. Cent. Addit. 1860.

Hab. Scandinavia, N. & Middle Europe, Caucasus [Atk., Lille].

hyalinipennis (*Phytocoris*), Klug in Bnrm. Handb. Ent. ii, 183, p. 268: Fieber (*Brachyceraea*), Eur. Hem., p. 325: Walk., Cat. Het., vi, p. 64: Reuter, Ent. Mon. Mag. xx, 1883, p. 52; Hem. Gymn. Eur., iii, p. 419, 561, t. 3, f. 5.

Hab. Spain, Portugal, S. France, S. Austria, Greece, Asia Minor, Tunis.

Montandoni, Reuter, Rev. d' Ent., 1888, p. 62, ♂.

Hab. Romania.

nigricollis (*Phylus*), Garbiglietti, Bull. Soc. Ent. Ital., i, 1869, p. 193; Puton, Ann. Soc. Ent. Fr. (5 s.), iv, 1874, p. 223: Reuter, Hem. Gymn. Eur., iii, p. 433, 563.

Hab. N. Italy.

orientalis, Reuter, Ofvers. Finska Vet. Soc., Förh., xxi, 1879, p. 203; Hem. Gymn. Eur., iii, 1883, p. 428, 562: Fedtsch. Turk., p. 20.

Hab. Turkistan.

pallidicornis (Fieber), Reuter, Hem. Gymn. Eur., iii, p. 423, 561, t. 3, f. 6.

pallidicornis (*Brachyceraea*), Fieber, Enr. Hem., 1861, p. 324: Dougl. & Scott (*Idolocoris*), Brit. Hem., p. 375, t. 12, f. 5: Walk., Cat. Het., vi, p. 64: Saund. (*Dicyphus*), Syn., p. 285: Reuter, Ent. Mon. Mag., xx, 1883, p. 53.

Hab. Britain, France, Spain, Germany, Austria.

pallidus (*Capsus*), Herr. Schöff., Wanz. Ins., iii, 1835, p. 51, t. 88, f. 269: Meyer, Rhyn. Schw., p. 84: Kirschb., Rhyn. Wiesb., p. 202, sp. 25: Fieber (*Dicyphus*), Eur. Hem., p. 326: Walk., Cat. Het., vi, p. 65: Saund., Syn., p. 285: Reuter, Ent. Mon. Mag. xx, 1883, p. 51; id., Rev. Caps., p. 128; Hem. Gymn. Eur., iii, p. 412, 560, t. 3, f. 3.

Hab. France, Belgium, Switzerland, Germany, Austria, Caucasus [Atk., Lille].

Sedillotii, Pnton, Expl. Scient. Tunisie, 1886, p. 20.

Hab. Tnnis.

stachydis, Reuter, Ent. Mon. Mag., xx, 1883, p. 53; *id.*, Hem. Gymn. Enr., ii, p. 421, 561; J. Sahlb., Vet.-Aka. Handl., xvi (4), 1878, p. 29.

collaris, Flor, Rhyn. Liv., i, 1860, p. 483 (*f. brach.*), pt.

errans, Renter, Rev. Caps., p. 128 (*f. brach.*) (*nec Wolff*).

Hab. Scandinavia, Siberia, Britain, France, Switzerland, Austria.

tamaricis, Pnton, Expl. Scient. Tunisie, 1886, p. 19.

Hab. Tnnis.

testaceus, Renter, Ofvers. Finska Vet. Soc., Förh., xxi, 1879, p. 204; *id.*, Hem. Gymn. Eur., iii, p. 425, 562; Fedtsch. Tnrk., p. 20.

Hab. Tnrkistan.

thoracicus, Renter, Ofvors., l. c., *supra*, p. 204; *id.*, Fedtsch. Turk., p. 21; Hem., l. c. *supra*, p. 427, 562.

Hab. Turkistan.

Genus **CAMPYLONEURA.**

Fieber, Crit. Gen., 1859, 35; Eur. Hem., p. 67, 269; Reut., Hem. Gymn. Eur., iii, p. 409, 559, t. 1. f. 15.

virgula (*Capsus*), Herr. Schöff., Nomencl. Ent., 1835, p. 48, 188; *id.*, Wanz. Ins., iii, 1835, p. 51, t. 88, f. 263; Meyer, Rhyn. Schw., p. 85; Fieber (*Campyloneura*), Eur. Hem., p. 269; Dougl. & Scott, Brit. Hom., p. 373, t. 12, f. 10; Walk., Cat. Het., vi, p. 80; Sannd., Syn., p. 281; Reuter, Rev. Caps., p. 130; Hem. Gymn. Eur., iii, p. 410.

pulchellus, Guérin, Règne Anim., Texte, iii, p. 348; Ic., ii, t. 56, f. 7.

Hab. Scandinavia, Britain, France, Belgium, Holland, Switzerland, S. Anstria [Atk., Lille].

Genus **ENGYTATUS.**

Reuter, Caps. Amer., 1875, p. 82.

geniculatus, Reuter, l. c., p. 83; Uhler, List, p. 20.

Hab. Texas.

Genus **HYALIODES.**

Reuter, Caps. Amer., 1875, p. 83.

vitripennis (*Capsus*), Say, Compl. Writ., i, 1859, p. 345; Reut., l. c., *supra*, p. 84; Uhler, List, p. 20; Riley, 3 Rep. Ins. Mo., 1870, p. 137, f. 58, 59; Glover, Rep.

Dop. Agric. Un. St. for 1875, p. 125, f. 30.

Hab. United States, New York.

Genus **STHENAROPS.**

Uhler, Bnll. Un. St. Surv., iii, 1877, p. 418.

chloris, Uhler, l. c., p. 419; List, p. 20.

Hab. Colorado.

malina, Uhler, *l. c.*, p. 419; List, p. 20.

Hab. Massachusetts to Texas, Russian America.

Div. XIV, **CYLLOCORARIA**, Renter, Hem. Gymn. Eur., iii, p. 319, 567.

Genus **CYLLOCORIS.**

Hahn, Wanz. Ins., ii, 183, p. 97, t. 60 B-E: Renter, Ent. Mon. Mag., xv, 1878, p. 115; Hem. Gymn. Eur., iii, p. 401, 546.

Camarocyphus, Renter, Ofvers. Finska Soc. Förh., xxii, 1880, p. 21; Zool. Jahr., 1880, p. 140.

Cyllocoris, pt., Hahn, Fieber, Eur. Hem., 1861, p. 69, 282.

Dryophilocoris, Subg. of *Globiceps*, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 30; Rev. Caps., p. 137.

Globiceps, pt., Latreille, Fieber, Eur. Hem., 1861, p. 69, 282.

Perideris, Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 249.

Amyotii, Stål, Rio. Jan. Hem., i, 1858, p. 55: Walk., Cat. Het., vi, p. 67.

Hab. Rio Janeiro.

bis-bistillatus, Stål, *l. c. supra*, p. 54: Walk., Cat. Het., vi, p. 67.

Hab. Rio Janeiro.

Costae, Stål, Rio Jan. Hem., i, 1858, p. 54; Walk., Cat. Het., vi, p. 67.

Hab. Rio Janeiro.

eucurbitaceus (*Phytocoris*), Spinola, Gay's Hist. Fis. Chili, vii, 1852, p. 196, 19: Sign., Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 571: Walk., Cat. Het., vi, p. 67.

Hab. Chili.

equestris (*Cyllocoris*), Stål, Stettin. Ent. Zeit., xix, 1858, p. 182, ♀: Walk., Cat. Het., vi, p. 62: Renter, Hem. Gymn. Eur., iii, p. 407, 558.

Hab. E. Siberia, Irkntsk.

flavoquadrinaeulatus (*Cimex*), De Geer, Mém., iii, 1773, p. 295: Renter, Caps. Syn., p. 12; *id.*, Ent. Mon. Mag., xv, 1878, p. 115; Hem. Gymn. Eur., iii, p. 404, 557, t. 5, f. 26; Rev. Syn. Het., p. 300.

flavomaculatus (*Lygaeus*), Wolff, Ic. Cim., iii, 1802, p. 114, t. 11, f. 108 (*nom. praec.*): Latreille, Hist. Nat., xii, 1804, p. 233: Panzer, Fauna Germ., 92, 1805, f. 16: Burm., Handb. Ent., ii (i), p. 267: Hahn (*Cyllocoris*), Wanz. Ins., iii, p. 10, t. 76, f. 235: Spinola, Ess., p. 188: Herr Schäff., Wanz. Ins., ix, index, p. 35.

flavonotatus, Bohem., Nya Svenska Hem., 1852, p. 71: Kirschb., Rhyn. Wiesb., p. 207, sp. 32, p. 269: Fieber, Crit., 24; *id.*, Eur. Hem., p. 283: Flor, Rhyn. Liv., i, p. 467: Dougl. & Scott, Brit. Hem., p. 366: Thomson, Opusc. Ent., iv, p. 436: Walk., Cat. Het., vi, p. 63: Saund., Syn., p. 279: Renter, (*Dryophilocoris*) Rev. Caps., p. 137; Ent. Mon. Mag., xv, 1878, p. 113.

ochromelas, Gmelin, Syst. Nat., iv, 1788, p. 2165.

quadrinaculatus, Schrank, Fauna Boica, ii, 1801, p. 92.

tricoloratus, Turtton, Syst. Nat., ii, 1806, p. 676.

tricolor, Gmelin, Syst. Nat., iv, 1788, p. 2165.

Hab. All Europe to S. Scandinavia [*Atk.*, Lillo].

gracilentus, Stål, Rio Jan. Hem., i, 1858, p. 53: Walk., Cat. Het., vi, p. 66.

Hab. Rio Janeiro.

histrionicus (*Cimex*), Linn., Syst. Nat., (ed. 12), 1767, p. 728: Herr. Schöff. (*Capsus*), Nomencl. Ent., i, p. 48: Barm., Handb. Ent., ii (i), p. 267: Blanchard, Hist. Ins., 1840, p. 138: Meyer, Rhyn. Schw., p. 90: Kolenati (*Xelidocoris*), Mel. Ent., ii, p. 103: F. Sahlb., Geoc. Fenn., p. 96: Herr. Schöff., Wanz. Ins., ix, index, p. 36: Kirschb., Rhyn. Wiesb., p. 203, sp. 26: Flor, Rhyn. Liv., i, p. 475: Fieber, Crit., 24; *id.*, Enr. Hem., p. 282: Dongl. & Scott, Brit. Hem., p. 368: Thomson, Opnso. Ent., iv, p. 436: Walk., Cat. Het., vi, p. 62: Sann., Syn., p. 280: Renter, Rev. Caps., p. 131; *id.*, Hem. Gymn. Eur., iii, p. 406, 553, t. 1, f. 14, a, b; t. 5, f. 25; *id.*, Rev. Syn. Het., p. 299.

agilis, Fabr., Spec. Ins., 1781, p. 374; *id.*, Syst. Rhyng., p. 247: Wolff, Ic. Cim., iv, p. 153, t. 15, f. 147: Latreille, Hist. Nat., xii, p. 233: Fallen, Mon. Cim., p. 100; *id.*, Hem. Suec., p. 120: Hahn, Wanz. Ins., ii, p. 98, t. 60, f. 182: Costa, Cim. Regn. Neap., Cent. i, 1838, p. 50: Westwood (*Cyllocoris*), Intr. Mod. Class. Ins., ii, p. 122.

cantharinus, Müller, Zool. Dan., 1776, p. 108.

cordatus, Geoffroy, Fonrer. Ent. Par., 1785, p. 206.

cordiger, Goeze, Ent. Beytr., ii, 1778, p. 266.

fulvipes, Schrank, Fanna Boica, ii, 1801, p. 93.

leucozonias, Gmelin, Syst. Nat., iv, 1788, p. 2164.

vittatus, Gmelin, l. c., p. 2166: Donovan, Brit. Ins., vii, p. 252?

Hab. All Enrope to S. Scandinavia, Caucasus, Derbent [*Atk.*, Lille, Hungary].

lacteus (*Phytocoris*), Spinola, Gay's Hist. Fis. Chili, vii, 1852, p. 195, 18: Signoret, Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 571: Walk., Cat. Het., vi, p. 67.

Hab. Chili.

luteus (*Capsus*), Herr. Schöff., Wanz. Ins., iii, 1835, p. 78, t. 98, f. 297: Renter, Berlin. Ent. Zeits., xxv, 1881, p. 181; Hem. Gymn. Eur., iii, p. 402, 557, t. 1, f. 13; t. 5, f. 24.

nigrogularis (*Camarocyphus*), Reuter, Ofvers. Finska Soc. Förh., xxii, 1880, p. 22.

Hab. Austria, Greece.

marginatus (*Perideris*), Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 249, t. 5, f. 6: Walk., Cat. Het., vi, p. 61: Reuter, Hem. Gymn. Eur., iii, p. 405, 558, t. 1, f. 14; t. 3, f. 2; t. 5, f. 27.

Hab. Greece.

petiolatus, Stål, Rio Jan. Hem., i, 1858, p. 55: Walker, Cat. Het., vi, p. 67.

Hab. Rio Janeiro.

quadristillatus, Stål, Rio Jan. Hem., i, 1858, p. 54: Walker, l. c., *supra*, p. 67.

Hab. Rio Janeiro.

sanguiniceps, Stål, l. c. *supra*, p. 54: Walker, l. c. *supra*, p. 67.

Hab. Rio Janeiro.

scutellatus, Spinola, Gay's Hist. Fis. Chili, vii, 1852, p. 190, 9: Walker, Cat. Het., vi, p. 67.

juvundus, Sign., Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 570, t. 11, f. 5: *id.*, p. 586.

Hab. Chili.

stillatipennis, Stål, Rio Jan. Hem., i, 1858, p. 54: Walker, Cat. Het., vi, p. 67.

Hab. Rio Janeiro.

Genus **AETORRHINUS.**

Fieber, Eur. Hem., 1861, p. 70, 285: Reuter, Rev. Caps., p. 138; Hem. Gymn. Eur., iii, p. 399, 546, t. 1, f. 12; Walk., Cat. Het., vi, p. 164.

Blepharidopterus, Kolenati, Mel. Ent., ii, 1845, p. 108.

Haetorhinus, Fieber, Crit. Gen. Phyt., 1859, 52, t. 6, f. 8, 31.

angulatus (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 81: Zett., Ins. Lapp., p. 272: Herr. Schöff. (*Capsus*), Wanz. Ins., iii, p. 75, t. 97, f. 292: Meyer, Rhyn. Schw., p. 89: F. Sahlb., Geoc. Fenn., p. 97: Kirschb., Rhyn. Wiesb., p. 203, sp. 27: Flor, Rhyn. Liv., i, p. 477: Kolenati (*Polymerus* subg. *Blepharidopterus*), Mel. Ent., ii, p. 108: Fieber (*Aetorhinus*), Eur. Hem., p. 285: Thomson, Opusc. Ent., iv, p. 437: Dougl. & Scott, Brit. Hem., p. 347, t. 11, f. 4: Walk., Cat. Het., vi, p. 64: Saund., Syn., p. 281: Reuter, Rev. Caps., p. 138; Hem. Gymn. Eur., iii, p. 400, 557.

Hab. All Europe, Caucasus [*Atk.*, Pyrenees].

Genus **GLOBICEPS.**

(Latreille), Am. & Serv. Ins. Hém., 1843, p. 282: Walk., Cat. Het., vi, p. 62: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 28; Ent. Mon. Mag., xv, 1878, p. 115; Hem. Gymn. Eur., iii, p. 386, 545, t. 5, f. 19-23, 30.

subg. *Globiceps*, Latreille, Reuter, Bih. l. c. *supra*.

„ *Kelidocoris* (subg. of *Polymerus*), Kolenati, Mel. Ent., ii, 1845, p. 102: Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 28; *id.*, Rev. Caps., p. 133.

albipennis, Jakowleff, Bull. Mosc., lii (2), 1877, p. 294, ♀: Reuter, Hem. Gymn. Eur., iii, p. 390, 556.

Hab. Astrakhan, Charkov.

ater, Douglas & Scott, Ent. Mon. Mag., ii, 1866, p. 248: Walk., Cat. Het., vi, p. 63: Saund., Syn., p. 280: Reuter, Hem. Gymn. Eur., iii, p. 398.

Hab. England.

cruciatus, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 36; Hem. Gymn. Eur., iii, p. 393, 556, t. 5, f. 20 (*vide* Puton, Cat., 1886, p. 55).

flavomaculatus, Kolenati, Mel. Ent., ii, 1845, p. 103?; Fieber, Eur. Hem., p. 284 (*nec* Fabr.): Dougl. & Scott, Brit. Hem., p. 364: Reuter, Ent. Mon. Mag., xvii, 1880, p. 13.

fulvipes, Saund., Syn., 1875, p. 279 (*nec* Reuter).

suturalis, Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 37.

Hab. N. & Middle Europe, Britain, Greece, Russia, Transcaucasia.

dispar (*Cyllecoris*), Böhem., Nya Svenska Hem., 1852, p. 72: Flor, Rhyn. Liv., i, p. 472: Fieber (*Globiceps*), Eur. Hem., p. 283: Dougl. & Scott, Ent. Mon. Mag., ii, p. 249; iv, p. 48, t. 1, f. 4: Walk., Cat. Het., vi, p. 63: Saund., Syn., p. 280:

Reuter Bih. Vet.-Aka. Handl., iii (i), p. 29; (*Kelidocoris*), Rev. Caps., p. 136; *id.*, Hem. Gymn. Enr., p. 397, 557, t. 3, f. 1, ♂.

Hab. Scandinavia, Livonia, Germany, France, Britain.

fasciolaris (*Phytocoris*), Blanchard, Gay's Hist. Fis. Chil., vii, 1852, p. 191, 10; Signoret, Ann. Soc. Ent. Fr., (4 s.) iii, 1863, p. 573; Walk., Cat. Het., vi, p. 68.

Hab. Chili.

flavomaculatus (*Lygaeus*), Fabr., Ent. Syst. iv, 1794, p. 182; *id.*, (*Capsus*), Syst. Rhyn., p. 246; Fallen, Mon. Cim., p. 100; *id.*, Hem. Snec., p. 120; Costa, Cim. Regn. Neap., i, 1838, p. 50, var. a, ?; Zett., Ins. Lapp., p. 278; Meyer, Rhyn. Schw., p. 91; Kolenati, Mel. Ent., ii, p. 103; F. Sahlb., Geoc. Fenn., p. 96; Kirschb., Rhyn. Wiesb., p. 206, sp. 31; Flor, Rhyn. Liv., i, p. 469; Thomson, Opusc. Ent., iv, p. 436; Walk., Cat. Het., vi, p. 63; Samnd., Syn., p. 279; Reuter, Rev. Caps., p. 133; *id.*, Hem. Gymn. Enr., iii, p. 395, 557, t. 5, f. 19; *id.*, Rev. Syn. Het., p. 298.

distinguendus, Voll., Hem. Neerl., 1878, p. 116 (*nec* Herr. Schöff.).

selectus, Fieber, Crit. Gen. Phyt., 1859, sp. 13; Eur. Hem., p. 284; Dougl. & Scott, Brit. Hem., p. 364; Walk., Cat. Het., vi, p. 63; Reuter, Ent. Mon. Mag., xvii, 1880, p. 13.

Hab. Scandinavia, Britain, France, Germany, Austria, Russia. [*Atk.*, Lille, Dnnkirk, Genoa].

fulvicollis, Jakowleff, Bull. Mosc., lii (2), 1877, p. 293; Reuter, Hem. Gymn. Enr., iii, p. 388, 555; Horvath, Rev. d' Ent., vii, 1888, p. 181, ♂.

Hab. S. Russia, Sarepta, E. Caucasus.

Pictetii, Fieber, Enr. Hem., 1861, p. 283; Walk., Cat. Het., vi, p. 63; Reuter, Hem. Gymn. Eur., iii, p. 389, 556, t. 2, f. 8; t. 5, f. 22.

Hab. Spain.

salicicola, Reuter, Abo Hem., 1880, p. 171; Ent. Mon. Mag., xvii, 1880, p. 13; Hem. Gymn. Eur., iii, p. 392, 556, t. 5, f. 21.

fulvipes, Reuter, Caps. Syn., 1875, p. 13; Bih. Vet. Aka. Handl., iii (i), p. 28; *id.*, Rev. Caps., p. 134 (*nec* Scop.); Ent. Mon. Mag., xv, p. 66; xvii, p. 13.

flavomaculatus, var. 1. F. Sahlb., Geoc. Fenn., 1848, p. 97.

Hab. Scandinavia.

sordidus, Reuter, Pet. Nonv. Ent., ii, no. 144, 1876, p. 21; *id.*, Hem. Gymn. Enr., iii, p. 390, 556, t. 5, f. 23.

Hab. France, Austria.

sphaegiformis (*Cimex*), Rossi, Fauna Etrusc., ii, 1790, p. 250; Kolenati, Mel. Ent., ii, p. 110; Fieber (*Globiceps*), Eur. Hem., p. 283; Walk., Cat. Het., vi, p. 62; Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 28; Hem. Gymn. Eur., iii, p. 387, 555, t. 5, f. 30; *id.*, Rev. Syn. Het., p. 298.

bifasciatus, Herr. Schöff., Nomencl. Ent., i, 1836, p. 48; Hahn, Wanz. Ins., iii, p. 48, t. 87, f. 265 (*nec* Fabr.), ♂.

capito (*Globiceps*), Lep. & Serv., Enc. Méth., x, 1825, p. 326; Am. & Serv., Ins. Hém., p. 282; Costa, Cim. Regn. Neap., Cent. iii, p. 46; Fieber, Crit., 24.

decoratus, Meyer, Rhyn. Schw., 1843, p. 88 : Kirschb., Rhyn. Wiesb., p. 206, sp. 30 ? : Flor, Rhyn. Liv., i, p. 474.

Hab. Middle & S. Europe, S. Russia, Caucasus [Atk., Genoa].

Genus **MECOMMA.**

Fieber, Crit. Gen. Phyt., 1859, 50, t. 6, f. 17 ; Eur. Hem., p. 69, 284 : Walker, Cat. Het., vi, p. 130 : Reuter, Hem. Gymn. Eur., iii, p. 383, 545, t. 1, f. 11.

Chlamydatus, pt, Curtis : *Sphyracephalus*, pt, Dougl. & Scott, Brit. Hem., 1865, p. 349 (*nom. praec.*) : *Sphyrops*, Dougl. & Scott, Ent. Mon. Mag., iii, 1866, p. 16.

ambulans (*Capsus*), Fallen, Hem. Snec., 1829, p. 126 (excl. var γ) : Herr. Schöff., Wanz. Ins., iii, p. 109, t. 108, f. 335, ♂ ; f. 336-7, ♀ : Meyer, Rhyn. Schw., p. 86 : Zett., Ins. Lapp., p. 279 : F. Sahlb., Geoc. Fenn., p. 94 : Kirschb., Rhyn. Wiesb., p. 236, sp. 88, p. 277, ♂ : Flor, Rhyn. Liv., i, p. 577 : Thomson (*Orthotylus*), Opusc. Ent., iv, p. 437 : Fieber (*Mecomma*), Eur. Hem., p. 284 : Dougl. & Scott (*Sphyracephalus*), Brit. Hem., p. 349, t. 11, f. 5 : Walk., Cat. Het., vi, p. 130 : Saund., Syn., p. 282 : Reuter, Caps. Syn., p. 13 ; *id.*, Rev. Caps., p. 140 ; Hem. Gymn. Eur., iii, p. 384, 555, t. 1, f. 11 ; t. 2, f. 1, 2 : Uhler, List, p. 20.

dubius, Zett., Ins. Lapp., 1840, p. 279, ♀.

nigritulus, Zett., l. c., p. 279, 8, ♀ (*form macr.*).

ochripes, Curtis, Brit. Ent. xv, 1838, 693.

Hab. N. Europe, Austria, Russia N. America [Atk., Lille].

gilvipes (*Leptomerocoris*), Stål, Stettin. Ent. Zeit., 1858, p. 187, ♀ : Walk., Cat.

Het., vi, p. 144 : Reuter, Ofvers. Finska Vet. Soc. Förh., xxi, p. 57 ; Hem. Gymn. Eur., iii, p. 386, 555, t. 2, f. 6.

Hab. Sitkha.

Genus **CYRTORRHINUS.**

Fieber, Crit. Gen., 1859, 51 ; Eur. Hem., p. 69, 284 : Reuter, Hem. Gymn. Eur., iii, p. 379, 545, t. 1, f. 10.

Chlamydatus, pt, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 30.

Sphyracephalus, pt, Douglas & Scott, Brit. Hem., 1865, p. 349.

Tytthus, Fieber, Wien. Ent. Monats., viii, 1864, p. 82, t. 2, 10.

caricis (*Capsus*), Fallen, Hem. Suec., 1829, p. 123 : F. Sahlb., Geoc. Fenn., p. 92, ♂ : Kirschb., Rhyn. Wiesb., p. 236, sp. 87, p. 277 (*excl. syn.*) : J. Sahlb. (*Cyrtorrhinus*), Notis. Skpts pro Fauna. Fl. Fenn., ix, p. 176 : Thomson (*Orthotylus*), Opusc. Ent., iv, p. 437 : Saund. (*Chlamydatus*), Syn., p. 282 : Reuter, Caps. Syn., p. 14 ; *id.*, Rev. Caps., p. 144 ; Hem. Gymn. Eur., iii, p. 383, 555, t. 1, f. 10 ; t. 2, f. 3, ♀ ; Fedtsch. Turk., p. 21.

chloropterus, Herr. Schöff., Wanz. Ins., ix, index, p. 34 (*nec* Kirschb.).

elegantulus, Meyer, Rhyn. Schw., 1843, p. 69, t. 5, f. 2 (*nec* Gnérin) : Bohem.

Nya Syenska Hem., p. 22 : Fieber (*Cyrtorrhinus*), Eur. Hem., p. 285 : Dougl. & Scott (*Sphyracephalus*), Brit. Hem., p. 351 : Walk., Cat. Het., vi, p. 130.

Hab. N. Europe, Britain, Caucasus, Turkistan.

- flaveolus* (*Tytthus*), Reuter, Notis. Skpts pro Fauna Fl. Fenn., xi, 1871, p. 323, t. 1, f. 6; (*Chlamydatus*) Abo Hem., p. 175; Hem. Gymn. Eur., iii, p. 380, 554.
insignis (*Chlamydatus*), Reuter, Rev. Caps., 1876, p. 142 (*nec* Dougl. & Scott); Ent. Mon. Mag., xiv, 1877, p. 131; Walk., Cat. Het., vi, p. 131.
 Hab. Scandinavia.
- geminus* (*Capsus*), Flor, Rhyn. Liv., i, 1860, p. 606; Fieber, Wien. Ent. Monats., viii, 1864, p. 84; Walk., Cat. Het., vi, p. 131; Reuter, Rev. Caps., p. 142; *id.*, Hem. Gymn. Eur., iii, p. 382, 554, t. 2, f. 5, ♀.
 Hab. Finland, Livonia.
- lividipennis*, Reuter, Ent. Tijds., v, 1884, p. 199.
 Hab. Great Nicobars.
- pygmaeus* (*Capsus*), Zetterstedt, Ins. Lapp., 1840, p. 279; Flor, Rhyn. Liv., i, p. 605; Fieber (*Tytthus*), Wien. Ent. Monats., viii, 1864, p. 83; Thomson (*Orthotylus*), Opusc. Ent., iv, p. 437; Walk., Cat. Het., vi, p. 131; Reuter (*Chlamydatus*), Caps. Syn., p. 16; *id.*, Rev. Caps., p. 143; Hem. Gymn. Eur., iii, p. 381, 554, t. 2, f. 4, ♀.
pellucens, Bohem., Nya Svenska Hem., 1852, p. 76.
 var. *insignis* (*Tytthus*), Douglas & Scott, Ent. Mon. Mag., ii, 1866, p. 247, fig.: Sandd., Syn., p. 282.
 Hab. Scandinavia, N. France, Britain.

Genus **MICROTECHNITES.**

- Berg, Hem. Arg. Add. Emend., 1884, p. 89.
- pygmaeus* (*Deraeocoris*), Berg, Hem. Arg., 1879, p. 290; Add. Emend., p. 90.
 Hab. Buenos Ayres.

Genus **AMIXIA.**

- Reuter, Hem. Gymn. Eur., iii, 1883, p. 377, 545.
- bicolor*, Reuter, Hem. Gymn. Eur., iii, 1883, p. 378, 554, t. 1, f. 9 *d-f*.
 Hab. Greece.
- longiceps*, Reut., l. c., p. 378, 554, t. 1, f. 9*a-c*.
 Hab. Greece, Naxos.

Genus **PARTHENICUS.**

- Reuter, Caps. Amer., 1875, p. 84.
- psalliodes*, Reuter, l. c., p. 85; Uhler, List, p. 20.
 Hab. Texas.

Genus **ORTHOTYLUS.**

- Fieber, Crit. Gen., 1859, 57; Eur. Hem., p. 71, 288; Reuter, Hem. Gymn. Eur., iii, p. 342, 545, t. 1, f. 7.
Allocotus (Fieb.), Puton, Ann. Soc. Ent. Fr. (5 s.), iv, 1874, p. 218, t. 7, f. 2; Sign. Ann. Mus. Civ. Gen., xv, 1880, p. 531; Reut., Bih. Vet.-Aka. Handl., iii (i), p. 36.

Halocapsus, Puton, Bull. Soc. Ent. Fr., (5 s.), viii, 1878, p. xxxiii.

Litocoris, Fieber, Ent. Mon. Mag., 1861, p. 70, 287.

Litosoma, Dougl. & Scott, Brit. Hem., 1865, p. 334.

Melanotrichus, Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 35.

Pachylops, pt, Fieb., Eur. Hem., 1861, p. 70, 285.

Tichorhinus, Fieb., Crit. Gen., 1859, 55, t. 6, f. 24.

Adenocarpus (*Capsus*), Perris, Ann. Soc. Linn. Lyon, iv, 1857, p. 167 : Renter, Ent.

Mon. Mag., xiv, 1877, p. 129 ; Hem. Gymn. Eur., iii, p. 367, 553.

Douglasii, Saunders, Syn. Brit. Hem., 1875, p. 293.

Hab. Britain, France, Spain.

alaiensis, Renter, Hem. Gymn. Eur. iii, 1883, p. 361, 552 ; Fedtsch. Turk., p. 22.

Hab. Turkistan.

artemisiae, J. Sahlberg, Vet.-Aka. Handl., xvi (4), 1878, p. 29 : Renter, Hem. Gymn.

Eur., iii, p. 368, 552.

Hab. Siberia.

bilineatus (*Capsus*), Fallen, Hem. Snec., 1829, p. 122 : F. Sahlb., Geoc. Fenn., p. 94 :

Thomson, Opusc. Ent., iv, p. 432 : Saund., Syn., p. 290 : Renter, Caps. Syn.,

p. 16 ; *id.*, Rev. Caps., p. 146 ; Hem. Gymn. Eur., iii, p. 346, 549.

Kirschbaumii (*Capsus*), Flor. Rhyn. Liv., i, 1860, p. 614 : Fieber (*Aetorhinus*), Erört. Zur. Nom. d. Rhyn. Liv., p. 6.

Hab. Scandinavia, Russia, France, Britain.

boreellus (*Capsus*), Zetterstedt, Ins. Lapp., 1840, p. 278 ; J. Sahlb., Notis. Skpts

Fauna Fl. Fenn., ix, 1867, p. 227 : Thomson, Opusc. Ent., iv, p. 438 : Renter,

Caps. Syn., p. 16 ; *id.*, Rev. Caps., p. 146 ; Hem. Gymn. Eur., iii, p. 345, 549, t. 5, f. 6.

Hab. Lapland, N. Sweden.

chloropterus (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 249, sp. 121, p. 316 (*nec*

Herr. Schöff. ; *nec* Fieber) : Renter, Ent. Mon. Mag., xiv, 1877, p. 128 ; *id.*, Hem.

Gymn. Scan. & Fenn., p. 152, pt : Puton, Cat., 1886, p. 56.

concolor, pt, Dougl. & Scott, Brit. Hem., p. 340 (*nec* Kirschb.) : Walk., Cat.

Het., vi, p. 132 : Saund., Syn., p. 293.

virescens, Dougl. & Scott, l. c., p. 339 : Walk., Cat. Het., vi, p. 158 : Renter,

Hem. Gymn. Eur., iii, p. 364, 552.

Hab. Nearly all Europe, Britain [*Atk.*, Lille, Genoa].

concolor (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 249, sp. 119, p. 315 : Fieber,

Eur. Hem., p. 289 : Dougl. & Scott, Brit. Hem., p. 340, pt : Renter, Ent. Mon.

Mag., xiv, 1877, p. 128 : Hem. Gymn. Eur., iii, p. 366, 553.

Hab. Scandinavia, Britain, France, Spain, Switzerland, Germany [*Atk.*, Vosges, France].

cupressi, Renter, Rev. d' Ent., ii, 1883, p. 253 ; Hem. Gymn. Eur., iii, p. 349, 477, 550.

Hab. S. France.

diaphanus (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 238, sp. 97, p. 305 : Flor,

Rhyn. Liv., i, p. 613 : Fieber, Eur. Hem., p. 290 : Dougl. & Scott, Ent. Mon. Mag.,

iv, p. 47 : Walk., Cat. Het., vi, p. 132 : Saund., Syn., p. 291 : Renter, Ent. Mon.

Mag., xiv, 1877, p. 62 ; xvii, 1880, p. 12 ; Hem. Gymn. Eur., iii, p. 358, 551.

viridinervis, Thomson, Opusc. Ent., iv, 1871, p. 456.

Hab. N. Europe, Germany, Austria, Astrakhan [*Atk.*, Dunkirk].

discolor, J. Sahlberg, Vet.-Aka. Handl., xvi (4), 1878, p. 29: Reut., Hem. Gymn. Eur., iii, p. 369, 551.

Hab. Siberia, Yenisei.

eleagni, Jakowleff, Bull. Mosc., lvi (i), 1881, p. 200: Reut., Hem. Gymn. Eur., iii, p. 357, 551.

Hab. Caucasus.

cricetorum (*Lygaeus*), Fallen, Mon. Cim., 1807, p. 91: *id.* (*Phytocoris*), Hem. Suec., p. 105: F. Sahlb. (*Capsus*), Geoc. Fenn., p. 104: Kirschb., Rhyn. Wiesb., p. 250, sp. 122: Flor, Rhyn. Liv., i, p. 587: Fieber (*Litocoris*), Eur. Hem., p. 287: Dougl. & Scott (*Litosoma*), Brit. Hem., p. 343: Walk., Cat. Het., vi, p. 158: Saund., (*Orthotylus*), Syn., p. 294: Thomson, Opusc. Ent., iv, p. 440: Reuter, Rev. Caps., p. 154; *id.*, Hem. Gymn. Eur., iii, p. 376, 554, t. 1, f. 7e.

limbatus, Perris, Ann. Soc. Linn. Lyon, 1857, p. 165.

? *prasinus*, Habu, Wanz. Ins., iii, 1835, p. 8, t. 75, f. 233.

Hab. N. & Middle Europe, Austria, Russia [*Atk.*, Lille].

Fieberii, Frey Gessner, MT. Schw. Ent. Ges., 1864, p. 260: Walk., Cat. Het., vi, p. 133: Reuter, Hem. Gymn. Eur., iii, p. 360, 552.

Hab. S. Russia, Sarepta.

flavinervis (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 239, sp. 99, p. 278, 307: Fieber (*Orthotylus*), Eur. Hem., p. 289: Dougl. & Scott (*Litosoma*), Brit. Hem., p. 338: Walk., Cat. Het., vi, p. 132: Saund., Syn., p. 292: Reuter, Abo. Hem., p. 176; Hem. Gymn. Eur., iii, p. 348, 549, t. 5, f. 8.

? *icterocephalus*, Habu, Wanz. Ins., i, 1831, p. 149, t. 23, f. 75.

Hab. Scandinavia, Britain, France, Germany, Switzerland, S. Austria.

flavosparsus (*Phytocoris*), C. Sahlberg, Acta Soc. Scien. Fenn., i, p. 411: Bohem., Ofvers. Vet.-Akad. Förh., 1852, p. 65: F. Sahlb. (*Capsus*), Geoc. Fenn., p. 103: Kirschb., Rhyn. Wiesb., p. 249, sp. 120: Flor, Rhyn. Liv., i, p. 582: Fieber (*Orthotylus*), Eur. Hem., p. 283: Dougl. & Scott (*Litosoma*), Brit. Hem., p. 341: Walk., Cat. Het., vi, p. 131: Saund., Syn., p. 292: Reuter, Caps. Syn., p. 18; *id.*, Ent. Mon. Mag., xiv, 1877, p. 128; Rev. Caps., p. 151; Hem. Gymn. Eur., iii, p. 360, 552; Fedtsch. Turk., p. 23.

prasinus (*Hypsitelus*), Dougl. & Scott, Brit. Hem., 1865, p. 344 (*nec* Fieber).

viridipennis, Dahlbom, Konig. Vet.-Aka. Handl., 1850, p. 212.

Hab. Lapland, Italy, Tunis, Turkistan [*Atk.*, Dunkirk].

fuscescens (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 237, sp. 92, p. 299: Reuter, Pet. Nouv. Ent., i, 1875, p. 551: Hem. Gymn. Eur., iii, p. 344, 477, 549, t. 4, f. 5; t. 5, f. 5.

luridus, Reuter, Hem. Gymn. Scand. & Fenn., 1875, p. 153.

obsoletus, Reuter, Ofvers. Vet.-Aka. Förh., 1874, p. 48 (*nec* Dougl. & Scott).

pinitellus (*Brachyarthrum*), Fieber, Eur. Hem., 1861, p. 301.

Hab. Scandinavia, Britain, Germany, France, Switzerland, Greece.

Lethierryi, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 37; Hem. Gymn. Eur., iii, p. 375, 554.

Hab. Algeria, Biskra.

- marginalis*, Reuter, *Hom. Gymn. Enr.*, iii, 1883, p. 350, 550, t. 1, f. 7 a-b; t. 5, f. 9
nassatus (*Phytocoris*), Fallen, *Hem. Snec.*, 1829, p. 80 (*nec* Fabr.): Zett.,
Ins. Lapp., p. 272: Kolenati, *Mel. Ent.*, ii, p. 177: Meyer, *Rhyn. Schw.*,
p. 50: F. Sahlb. *Geoc. Fenn.*, p. 102: Kirschb., *Rhyn. Wiesb.*, p. 238,
sp. 98: Flor, *Rhyn. Liv.*, i, p. 618: Fieber (*Orthotylus*), *Eur. Hem.*,
p. 289: Dougl. & Scott (*Litosoma*), *Brit. Hem.*, p. 337, t. 11, f. 3: Thom-
son, *Opusc. Ent.*, iv, p. 439: Walk., *Cat. Het.*, vi, p. 132: Saund., *Syn.*,
p. 292: Reuter, *Hem. Gymn. Scan. & Fenn.*, p. 148.
Hab. Lapland, Britain, Spain, Greece, Siberia [*Atk.*, Lille].
- Martinii*, Puton, *Rev. d' Ent.*, vi, 1887, p. 307.
Hab. Algeria, Biskra.
- Mayrii*, Signoret, *Ann. Mus. Civ. Gen.*, xv, 1880, p. 532.
Hab. New Guinea.
- minutus*, Jakowleff, *Bull. Mosc.*, lii (2), 1877, p. 296: Reuter, *Hem. Gymn. Eur.*,
iii, p. 371, 553; Fedtsch. *Turk.*, p. 23.
Hab. Greece, S. Russia, Caucasus, Turkistan.
- mutabilis*, F. B. White, *Proc. Zool. S. Lond.*, 1878, p. 467.
Hab. St. Helena.
- nassatus* (*Cimeæ*), Fabr., *Mant. Ins.*, ii, 1787, p. 304; *id.*, *Syst. Rhyn.*, p. 236:
Reuter, *Hem. Gymn. Eur.*, iii, p. 352, 550, t. 5, f. 10; *id.*, *Rev. Syn. Het.*, p. 297.
flavicornis, Latreille, *Hist. Nat.*, xii, 1804, p. 224.
striicornis, Kirschb., *Rhyn. Wiesb.*, 1855, p. 238, sp. 96, p. 303: Flor (*Cap-
sus*), *Rhyn. Liv.*, i, p. 615: Fieber (*Orthotylus*), *Eur. Hem.*, p. 289:
Dougl. & Scott (*Litosoma*), *Brit. Hem.*, p. 336: Walk., *Cat. Het.*, vi,
p. 132: Saund., *Syn.*, p. 291: Reuter, *Ent. Mon. Mag.*, xvii, 1880, p. 11;
Rev. Caps., p. 150.
Hab. Nearly all Europe [*Atk.*, Loire Inférieure].
- obscurus*, Reuter, *Pct. Nouv. Ent.*, i, no. 138, 1875, p. 551; *Hem. Gymn. Eur.*, iii,
p. 343, 549: Puton, *Cat.*, 1886, p. 56.
? *mutabilis*, Hahn, *Wanz. Ins.*, ii, p. 137, t. 72, f. 223 (*nec* Fallen).
fuscescens, Reuter, *Bih. Vet.-Aka. Handl.*, iii (i), p. 33 (*nec* Kirschb.).
Hab. France, Austria.
- obsoletus*, Fieber, *Eur. Hem.*, 1861, p. 289: Walk., *Cat. Het.*, vi, p. 132: Reuter,
Hem. Gymn. Eur., iii, p. 365, 553, t. 5, f. 18.
Hab. Spain.
- ochrotrichus*, Douglas & Scott, *Brit. Hem.*, 1865, p. 342: Fieber, *Wien. Ent.
Monats.*, viii, 1864, p. 330: Walk., *Cat. Het.*, vi, p. 133, 158, Reuter, *Hem. Gymn.
Eur.*, iii, p. 359, 554.
Hab. Britain.
- Oschanini*, Reuter, *Hem. Gymn. Enr.*, iii, 1883, p. 363, 553.
Hab. Turkistan.
- palustris*, Reuter, *Rev. d' Ent.*, vii, 1888, p. 59.
Hab. Illyria.

parvulus, Reuter, Ofvers. Finska Vet. Soc. Förh., xxi, 1879, p. 38: Jak., Bull. Mosc. iv (i), 1880, p. 142: Reuter, Hem. Gymn. Eur., iii, p. 374, 554, t. 5, f. 16.
Hab. S. Russia, Astrakhan.

Paulinoi, Reuter, C. R. Soc. Ent. Belg., 1885, p. xlv, fig.
Hab. Portugal.

prasinus (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 81: Flor, Rhyn. Liv., i, p. 616: Thomson, Opusc. Ent., iv, 1871, p. 439?: Reuter, Caps. Syn., p. 13, pt; *id.*, Rev. Caps., p. 149; Ent. Mon. Mag., xiv, 1877, p. 62; xvii, 1880, p. 12; Hem. Gymn. Eur., iii, p. 354, 551, t. 5, f. 13.
Hab. Scandinavia, Livonia, Britain, Belgium, France, Spain, S. Austria.

propinquus, Reuter, Hem. Gymn. Eur., iii, p. 356, 551, t. 5, f. 17.
Hab. Spain.

pusillus, Reuter, *l. c.*, p. 373, 554.
Hab. Tunis.

quercicola, Reuter, C. R. Soc. Ent. Belg., 1885, p. xliii, fig.
Hab. Lower Austria.

rubidus (Fieber), *Allocotus*, Puton, Ann. Soc. Ent. Fr., (5 s.) iv, 1874, p. 219, t. 7, f. 2: Dougl. & Scott, Ent. Mon. Mag., xi, p. 146: Saund., Syn., p. 294: Reuter, Caps. Syn., p. 37; Hem. Gymn. Eur., iii, p. 372, 477, 554, t. 1, f. 7 c, d.
var. { *curvipennis*, Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 36 (*form*
 brach), ♀.
 rubidus, var. *Moncreaffi*, Dougl. & Scott, Ent. Mon. Mag., xi, 1874, p. 147.
 rubricatus, Jakowleff, Bull. Mosc., xlix (2), 1875, p. 171.
var. *salsolae*, Reuter, Bih. Vet. Akad. Handl., iii (i), 1875, p. 37.
Hab. Nearly all Europe, Britain, Tunis, Georgia.

Schoberiae, Reuter, Pet. Nouv. Ent., ii, no. 147, 1876, p. 34; Hem. Gymn. Eur., iii, p. 370, 553.
Hab. Hungary, S. Russia, Astrakhan.

Scottii, Reuter, Ent. Mon. Mag., xiv, 1877, p. 62; xvii, 1880, p. 12; Hem. Gymn. Eur., iii, p. 355, 551, t. 5, f. 14.
 prasinus, Saund., Syn., Brit. Hem., 1875, p. 291 (*nec* Fallen).
 viridinervis (*Litosoma*), Douglas & Scott, Brit. Hem., 1865, p. 335 (*nec* Kirschb.).
Hab. Britain, Germany, S. Austria.

striola, Kirschbaum, Rhyn. Wiesb., 1855, p. 236, sp. 94, ♀, p. 301.
Hab. Austria.

tenellus (*Phytocoris*), Falleu, Hem. Suec., 1829, p. 103: Thomson (*Orthotylus*), Opusc. Ent., iv, 1871, p. 439: Saund., Syn., p. 392: Reuter, Caps. Syn., pt, p. 18; *id.*, Rev. Caps., p. 149; Hem. Gymn. Eur., iii, p. 351, 550, t. 5, f. 11.
 angustus (Herr. Schöff.), Meyer, Rhyn. Schw., p. 56, t. 2, f. 3: Kirschb., Rhyn. Wiesb., p. 237, sp. 93: Fieber (*Orthotylus*), Eur. Hem., p. 288: Dougl. & Scott (*Litosoma*), Brit. Hem., p. 343: Walk., Cat. Het., vi, p. 131.
Hab. Scandinavia, Britain, Switzerland, Germany, Austria, Italy, Spain.

turanicus, Reuter, Hem. Gymn. Eur., iii, 1883, p. 362, 552; Fedtsch. Turk., p. 22.
Hab. Turkistau, Alai Range.

virens (*Capsus*), Fallen, Hem. Suec., 1829, p. 122, ♂: F. Sahlb., Geóc. Fenn., p. 95: Kirschb., Rhyu. Wiesb., p. 236, sp. 89, ♂: Flor, Rhyn. Liv., i, p. 617: Thomson, Opusc. Ent., iv, 1871, p. 438: Fieber (*Orthotylus*), Wien. Ent. Mouats., viii, 1864, p. 342: Reuter, Caps. Syn., p. 17; *id.*, Rev. Caps., p. 147; Hem, Gymn. Eur., iii, p. 347, 550, t. 5, f. 7.

Hab. Scandinavia, Germauy, Hungary.

viridinervis (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 238, sp. 95, p. 277, 302: Walk., Cat. Het., vi, p. 132: Reuter, Ent. Mon. Mag., xiv, p. 61, 76; xvii, p. 11; Hem. Gymn. Eur., iii, p. 353, 477, 550, t. 5, f. 12.

Hab. Scandinavia, Britain, France, Germauy, Switzerland, Austria, Greece.

Genus **HYPSTITYLUS.**

Fieber, Eur. Hem., 1861, p. 286: Reut., Hem. Gymn. Eur., iii, p. 340, 544, t. 1, f. 6.

Litosoma, pt, Dougl. & Scott, Brit. Hem., 1865, p. 345.

Orthotylus, pt, Saunders, Syn., 1875, p. 294.

Pachylops, pt, Fieber, Eur. Hem. 1861, p. 70, 286.

bicolor, Douglas & Scott, Ent. Mon. Mag., iv, 1868, p. 267, t. 2, f. 3: Walk., Cat. Het., vi, p. 158: Reuter, Ent. Mon. Mag., xiv, 1877, p. 129, 131: *id.*, Hem. Gymn. Eur., iii, p. 342, 549.

♀ *chloropterus*, Fieber (*Pachylops*), Eur. Hem., p. 285 (*nec* Kirschb., *nec* Herr. Schöff): Dougl. & Scott, Brit. Hem., p. 345 (*nec* Kirschb.); Saud., Syu., p. 294.

Hab. Britain, France, Germany.

prasinus (Meyer), Fieber, Eur. Hem., 1861, p. 286: Walk., Cat. Het., vi, p. 157: Reut., Hem. Gymn. Eur., iii, p. 341, 549, t. 1, f. 6.

Hab. Spain, Portugal, S. France, Italy.

Genus **LITOXENUS.**

Reuter, C. R. Soc. Ent. Belg., 1885, p. xlv.

tenellus, Reuter, l. c., p. xlv, fig.

Hab. Hungary.

Genus **ILNACORA.**

Reuter, Caps. Amer., 1875, p. 85.

divisa, Reuter, l. c., p. 86: Uhler, List, p. 20.

Hab. Texas.

Stalii, Reuter, l. c., p. 86: Uhler, List, p. 20.

Hab. New York, Texas.

Genus **CERATOCAPSUS.**

Reuter, Caps. Amer., 1875, p. 87.

lutescens, Reuter, *l. c.*, p. 87: Uhler, List, p. 20.

Hab. Texas.

punctulatus, Reuter, *l. c.*, p. 87: Uhler, List, p. 20.

Hab. Cuba.

Genus **DIOMMATUS**.

Uhler, Ent. Amer., 1887, p. 32.

congrex, Uhler, *l. c.*, p. 33.

Hab. N. America.

Genus **LOXOPS**.

Fieber, Crit., 1859, 54, t. 6, f. 21; *id.*, Eur. Hem., p. 70, 287: Reuter, Hem. Gymn. Eur., iii, p. 338, 545, t. 1, f. 8.

coccinea (*Capsus*), Meyer, Rhyn. Schw., 1843, p. 75, t. 4, f. 5: Fieber, Eur. Hem., p. 287: Dougl. & Scott, Ent. Mou. Mag., x, p. 64: Walk., Cat. Het., vi, p. 158: Saund., Syn., p. 289: Reuter, Hem. Gymn. Eur., iii, p. 339, 447, 548.

Hab. S. Britain, Holland, Switzerland, Germany, Austria.

Genus **HETEROTOMA**.

Latreille, Fam. Nat., 1829, p. 422: Am. & Serv., Hist. Ins. Hém., p. 236: Fieb. Eur. Hem., p. 71, 290: Reut., Hem. Gymn. Eur., iii, p. 336, 544, t. 1, f. 19.

acinaciformis, E. G. Costa, Mou. Ins. Uliv., ii, p. 20, t. 2, f. 4: Reuter, Hem. Gymn. Eur., iii, p. 338, 548.

Hab. Calabria.

diversipes, Puton, Bull. Soc. Ent. Fr., (5 s.) vi, 1876, p. xxxix: Reuter, Hem. Gymn. Eur., iii, p. 337, 548, t. 5, f. 29.

Hab. Corsica, Algeria.

merioptera (*Cimeæ*), Scopoli, Ent. Caru., 1763, p. 131: Fieber (*Heterotoma*), Eur. Hem., p. 290: Dougl. & Scott, Brit. Hem., p. 438, t. 14, f. 5: Walk., Cat. Het., vi, p. 134: Saund., Syn., p. 295: Reuter, Hem. Gymn. Eur., iii, p. 336, 548, t. 5, f. 28; *id.*, Rev. Syn. Het., p. 296.

ater, Geoffroy, Fourcroy, Ent. Paris., 1785, p. 211.

planicornis, Pallas, Spicil. Zool., ix, 1772, p. 23, t. 1, f. 13.

spissicornis, Fabr., Gen. Ins., 1776, p. 147: Panzer, Fauna Germ., ii, f. 15: Donovan, Brit. Ins., iv, p. 71, t. 135: Schrank, Fauna Boica, ii, p. 88?: Fabr., Syst. Rhyn., p. 246: Latreille, Hist. Nat., xii, p. 233; *id.* (*Heterotoma*), Fam. Nat. Règn. Anim., p. 422: Horr. Schöff., Nomencl. Ent., i, p. 52: Barm., Handb. Ent., ii (i), p. 276: Costa, Cim. Regn. Neap., i, 1838, p. 54, f. 11: Westwood, Mod. Class. Ins., ii, p. 121: Am. & Serv., Hist. Ins., p. 283: Meyer, Rhyn. Schw., p. 64: Fieber, Crit., 27.

? var. *crassicornis*, Fabr., Syst. Ent., iv, 1794, p. 70: Reuter, Rev. Syn. Het., p. 297.

„ *crassipennis*, Turton, Syst. Nat., 1806, p. 609.

Hab. Nearly all Europe, Britain [*Atk.*, Lille, Liguria].

Genus **PLATYTOMATOCORIS.**

Reuter, Hem. Gymn. Eur., iii, 1883, p. 334, 544.

Excentricus, pt, Reuter, Hem. Gymn. Eur., iii, p. 335.

planicornis (*Capsus*), Herr. Schöff., Wanz. Ins., iii, 1835, p. 84, t. 100, f. 306 : Walk., Cat. Het., vi, p. 135 : Reuter (*Excentricus*), Hem. Gymn. Eur., i, p. 90, t. 1, f. 16 d ; iii, p. 335, 477, 548.

Hab. France, Spain, Germany, Austria, Caucasus.

Genus **STHENARIDEA.**

Reuter, Ent. Tijdschr., v, 1884, p. 197.

pusilla, Reuter, l. c., p. 198.

Hab. Bengal.

Genus **HETEROCORDYLUS.**

Fieber, Crit. Gen., 1859, 59, t. 6, f. 6 ; *id.*, Eur. Hem., p. 71, 290 : Reuter, Rev. Caps., p. 97 ; Hem. Gymn. Eur., iii, p. 327, 544, t. 1, f. 5.

Bothrocranium, Reuter, Pet. Nonv. Ent., ii, no. 152, 1876, p. 54.

erythrophthalmus (*Phytocoris*), Hahn, Wanz. Ins., i, 1831, p. 207, t. 33, f. 106 ; Reuter, Hem. Gymn. Eur., iii, p. 333, 548, t. 5, f. 3 : Berlin. Ent. Zeits., xxv, 1881, p. 178.

Freyii (*Bothrocranium*), Reuter, Pet. Nonv. Ent., ii, no. 152, 1876, p. 54.

Hab. France, Germany, Switzerland, Austria.

farinosus, Horvath, Rev. d' Ent., vi, 1887, p. 73, f. 5.

Hab. Illyria.

genistae (*Cimex*), Scopoli, Ent. Carn., 1763, p. 134 : Reuter, Hem. Gymn. Eur., iii, p. 330, 477, 588, t. 4, f. 8, ♀ ; *id.* Rev. Syn. Het., p. 295.

ater, Schrank, Fauna Boica, 1801, p. 86, pt, ♀.

leptocerus, Dougl. & Scott, Brit. Hem., p. 433, t. 14, f. 3, ♀ (*nec* Kirschb.).

pulverulentus (Klug), Burm. Handb. Ent., ii (i), 1835, p. 276 (*nec* Kolenati) : Meyer, Rhyn. Schw., p. 63 : Fieber (*Heterocordylus*), Crit., 1859, 28 ; Costa, Cim. Regn. Neap. Cent. Addit., 1860, p. 31.

unicolor (*Capsus*), Hahn, Wanz. Ins., ii, 1834, p. 94, t. 69, f. 179 a, b : Kirschb., Rhyn. Wiesb., p. 245, sp. 111 : Fieb., Eur. Hem., p. 291 : Dougl. & Scott, Brit. Hem., p. 432 : Walk., Cat. Het., vi, p. 135 : Sannd., Syn., p. 288.

Hab. Nearly all Europe, Britain [*Atk.*, Lille, Genoa].

leptocerus (*Capsus*), Kirschbanm, Rhyn. Wiesb., 1855, p. 245, sp. 112, p. 278, 309 : Fieber, Eur. Hem., p. 291 : Thomson, Opusc. Ent., iv, p. 440 : Walk., Cat. Het., vi, p. 135 : Reut., Hem. Gymn. Eur., iii, p. 331, 477, 548, t. 4, f. 7 ♀.

mutabilis, Hahn, Wanz. Ins., ii, 1834, p. 95, t. 69, f. 180 (*nec* Fallen).

Spartii, Fohem., Ent. Ant. Sverge, p. 180.

tibialis, Reuter, Rev. Caps., 1875, p. 99 (*nec* Hahn).

Hab. Scandinavia, Germany, Hungary, Italy, S. Russia.

oblongus (*Heterotoma*), Kolenati, Mel. Ent., ii, 1845, p. 126, t. 9, f. 28 : Walk., Cat. Het., vi, p. 135 : Reuter, Hem. Gymn. Eur., iii, p. 329, 548.

Hab. Tashkent.

parvulus, Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 158 ; Hem. Gymn. Eur., iii, p. 331, 477, 548, t. 5, f. 2.

Hab. France, Portugal [Atk., N. France].

tibialis (*Capsus*), Hahn, Wanz. Ins., i, 1831, p. 128, t. 20, f. 66 : Kirschb., Rhyn. Wiesb., p. 245, sp. 113 : Fieber, Eur. Hem., p. 291 : Dougl. & Scott, Brit. Hem., p. 434 : Saund., Syn., p. 288 : Reuter, Hem. Gymn. Eur., iii, p. 332, 477, 548, t. 4, f. 6, ♂.

Hab. Denmark, France, Belgium, Britain, Spain, Germany, Austria, Syria [Atk., N. France].

tumidicornis (*Capsus*), Herr. Schöff., Nomencl. Ent., i, 1835, p. 52 ; *id.*, Wanz. Ins., iii, p. 84, t. 100, f. 307 et a : Meyer, Rhyn. Schw., p. 59 : Kirschb., Rhyn. Wiesb., p. 244, sp. 110 : Fieber (*Heterocordylus*), Crit., 28 : Costa, Cim. Regn. Neap. Cent. Add., 1860, p. 31, 34 : Fieber, Eur. Hem., p. 291 : Walk., Cat. Het., vi, p. 135 : Reuter, Rev. Caps., p. 89 ; Hem. Gymn. Eur., iii, p. 328, 547, t. 4, f. 9 ; t. 5, f. 1 ; *id.*, Rev. Syn. Het., p. 295.

Mali (*Capsus*), Böhem. Ofvers. Vet.-Aka. Förh., 1852, p. 72 (*nec* Meyer).

P nigrita, Schrank, Fauna Boica, 1801, p. 88.

pulverulentus, Kolenati, Mel. Ent. ii, 1845, p. 126 (*nec* Klug).

unicolor, Thomson, Opusc. Ent., iv, 1871, p. 440 (*nec* Herr. Schöff.)

Hab. Scandinavia, Central Europe, Russia, Caucasus.

Genus **MALACOCORIS.**

Fieber, Crit. Gen., 1859, 91, t. 6, f. 53 ; Eur. Hem., p. 76, 322 : Reuter, Hem. Gymn. Scan. & Fenn., p. 189 ; Hem. Gymn. Eur., iii, p. 325, 544, t. 1, f. 4.

chlorizans (*Lygaeus*), (Block), Panzer, Fauna Germ., 1794, 18, f. 21 : Fallen, Mon. Cim., p. 77 ; *id.*, Hem. Sneo., p. 82 : Meyer, Rhyn. Schw., p. 67 : F. Sahlb., Geoo. Fenn., p. 98 : Kirschb., Rhyn. Wiesb., p. 233, sp. 83, p. 277 : Fieber (*Malacocoris*), Crit., 38 ; *id.*, Eur. Hem., p. 323 : Flor, Rhyn. Liv., i, p. 551 : Dougl. & Scott, Brit. Hem., p. 383, t. 12, f. 7 : Thomson, Opusc. Ent. iv, p. 440 : Walk., Cat. Het., vi, p. 144 : Saund., Syn., p. 286 : Reuter, Rev. Caps., p. 139 ; Hem. Gymn. Eur., iii, p. 327, 547 ; *id.*, Rev. Syn. Het., p. 294.

smaragdinus, Fieb., Crit. Phyt., 1859, sp. 42 ; Eur. Hem., p. 323 : Walk., Cat. Het., vi, p. 144.

sulphuripennis, Westhoff, Jahrb. Westf. Prov.-Ver., Wiss. u. Kunst., ix, 1880, p. 79.

Hab. All middle Europe, S. Scandinavia, Italy.

irroratus (*Capsus*), Say : Uhler, List, p. 20.

Hab. United States.

Provancherii, Burque, Fauna Can. Hem., 1887, p. 144.

Hab. Canada.

Genus **REUTERIA.**

Puton, *Pet. Nouv. Ent.* i, no. 130, 1875, p. 519: *Reut.*, *Hem. Gymn. Eur.*, iii, p. 324, 544, t. 1, f. 3d.

Marquetii, Puton, *l. c.*, *supra*, p. 519: *Wien. Ent. Zeit.*, ii, 1883, p. 60: *Routor*, *l. c.*, *supra*, p. 325.

Hab. S. France, S. Austria, Greece [*Atk.*, Toulouse].

Genus **BRACHYNOTOCORIS.**

Reuter, *Ofvers. Finska Soc. Förh.*, xxii, 1880, p. 22; *Zool. Jahr.*, 1880, p. 141; *Hem. Gymn. Eur.*, iii, p. 322, 543, t. 1, f. 3 a-c.

puncticornis, Reuter, *Ofvers. l. c. supra*, p. 22; *Hom. Gymn. Eur.*, iii, p. 323, 547 t. 1, f. 1 a-c.

Hab. Spain.

Genus **PLATYCRANUS.**

Fieber, *Verh. Zool.-Bot. Ges. Wien*, xx, 1870, p. 252: *Reuter*, *Hom. Gymn. Eur.*, iii, p. 320, 476, 543, t. 1, f. 2.

Erberii, Fieber, *l. c. supra*, p. 252, t. 6, f. 9: *Walk.*, *Cat. Het.*, vi, p. 157: *Reut. Hem. Gymn. Eur.*, iii, p. 321, 547, t. 1, f. 2.

Hab. Algeria, Portugal, S. France, Italy, Tyrol, Montenegro, Greece [*Atk.* Stazzano].

metriorrhynchus, *Reuter Rev. d' Ent.*, ii, 1883, p. 252; *id.*, *Hem. Gymn. Eur.*, iii, 1883, p. 476, 547.

Hab. France.

Putonii, *Reuter, Ofvers. Finska Vet. Soc. Förh.*, xxi, 1879, p. 38; *id.*, *Hem. Gymn. Eur.*, iii, p. 322, 476, 547.

Hab. S. Algeria.

Div. XV, **NASOCORARIA**, *Reuter, Hem. Gymn. Eur.*, iii, 1883, p. 317, 568.

Genus **NASOCORIS.**

Reuter, Ofvers. Finska Soc. Förh., xxi, 1879, p. 206; *Hem. Gymn. Eur.*, iii, p. 371, t. 1, f. 1; *Fedtsch. Turk.*, p. 32.

argyrotrichus, *Reuter, Ofvers. Finska Vet. Soc. Förh.*, xxi, 1879, p. 206; *Hem. Gymn. Eur.*, iii, p. 318, t. 1, f. 1; *Fedtsch. Turk.*, p. 23.

Hab. S. Russia, Turkistan.

Div. XVI, **ONCOTYLARIA**, *Reuter, Hem. Gymn. Eur.*, ii, p. 193; iii, p. 568.

Genus **ATOMOPHORA.**

Reuter, Hem. Gymn. Eur., ii, 1880, p. 287, 307, t. 1, f. 14; iii, p. 529; *id.*, *Fedtsch. Turk.*, p. 29.

alba, Reuter, Hem. Gymn. Eur., ii, p. 290, t. 1, f. 14 *e*; iii, p. 542; *id.*, Fedtsch-Turk., p. 31.

Hab. Turkistan.

eximia, Reuter, *l. c.*, ii, p. 288; iii, p. 542; *id.*, Fedtsch-Turk., p. 30.

Hab. Turkistan.

fuscumaculata, Reuter, Hem. Gymn. Eur., ii, p. 291, iii, p. 542.

Hab. Caspian Region.

pantherina, Reuter, *l. c.*, ii, p. 289, t. 1, f. 14 *a-d*; iii, p. 542; *id.*, Fedtsch-Turk., p. 31.

Hab. Turkistan.

Genus **ONYCHUMENUS.**

Reuter, Hem. Gymn. Eur., ii, p. 286, t. 1, f. 21; iii, p. 529.

decolor (*Capsus*), Fallen, Hem. Suec., 1829, p. 123: Meyer, Rhyn. Schw., p. 86: F. Sahlb., Geoc. Fenn., p. 95: Kirschb., Rhyn. Wiesb., p. 237, sp. 91: Flor, Rhyn. Liv., i, p. 555: Thomson (*Phylus*), Opusc. Ent., iv, p. 452: Fieber (*Oncotylus*), Eur. Hem., p. 298: Dougl. & Scott, Brit. Hem., p. 393, t. 13, f. 2: Walk., Cat. Het., vi, p. 139: Saund., Syn., p. 299: Reuter, Rev. Caps., p. 168; *id.*, Hem. Gymn. Eur., ii, p. 287; iii, p. 475, 542: Uhler (*Oncotylus*), List, p. 20.

chrysanthemi (*Lopus*), Hahn, Wanz. Ins., i, 1831, p. 10, t. 1, f. 4.

*palliatu*s, Perris, Ann. Soc. Linn. Lyon, 1857, p. 166.

Hab. Middle Europe, Spain, S. Scandinavia, Britain, United States [*Atk.*, Lille].

Genus **EURYCOLPUS.**

Reuter, Hem. Gymn. Eur., ii, 1880, p. 284, t. 1, f. 20; iii, p. 531.

Oncotylus, pt, Fieber, Eur. Hem., 1861, p. 298.

flaveolus (*Eurymero*coris), Stål, Stettin. Ent. Zeit., 1858, p. 189: Walk., Cat. Het., vi, p. 158: Reuter, Öfvers. Finska Soc. Förh., xxi, p. 48; Hem. Gymn. Eur., ii, p. 285, t. 5, f. 7 ♂, f. 8 ♀; iii, p. 475, 542.

fenestratus, Fieber, Crit. Phyt., 1859, sp. 19; *id.*, Eur. Hem., p. 298: Walk., Cat. Het., vi, p. 139: Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 41.

Hab. France, Austria, E. Siberia, Irkutsk [*Atk.*, Pyrenees].

Genus **ONCOTYLUS.**

Fieber, Crit. Phyt., 1859, 66, t. 6, f. 7; *id.*, Eur. Hem., p. 72, 298, 393: Reuter, Hem. Gymn. Eur., ii, p. 273, t. 1, f. 19; iii, p. 531.

Anoterops, Fieber, Crit. Gen., 1859, g. 65; Eur. Hem., p. 72, 297, 892: Reut., Bih. Vet.-Aka. Handl., iii (i), p. 42: Dougl. & Scott, Brit. Hem., p. 385.

Cylindromelus, Fieber, Eur. Hem., 1861, p. 393: Reut. Bih. *l. c. supra*, p. 42.

affinis, Jakowleff, Bull. Mosc., lvi (4), 1882, p. 23: Reut., Hem. Gymn. Eur., iii, p. 475, 542.

Hab. Krasnovodsk.

caspicus, Reuter, Hem. Gymn. Eur., ii, 1879, p. 282; iii, p. 542.

Hab. Astrakhan.

desertorum, Reuter, Fedtsch. Turk., p. 25 *l. c. supra*, ii, p. 277; iii, p. 541.

Hab. Turkistan.

nigricornis, Saunders, Ent. Mou. Mag., xii, 1876, p. 222: Reut., Hem. Gymn. Eur., ii, p. 278; iii, p. 541.

Hab. Spain, S. France.

pennicornis, Jakowleff, Trudi Russk., xi, 1880, p. 216: Reut., Hem. Gymn. Eur., iii, p. 473.

Hab. S. Russia, Sarepta.

persicus, Reuter, Hem. Gymn. Eur., ii, 1879, p. 281; iii, p. 542.

Hab. N. Persia, Shahrud.

plumicornis, Jakowleff, Bull. Mosc., lvi (4), 1882, p. 25: Reut., *l. c. supra*, iii, p. 474, 541.

Hab. S. Russia, Sarepta.

pulchellus, Reuter, Ofvers. Vet. Aka. Förb., 1874, p. 48; Bib. Vet. Aka. Handl., iii (i), p. 41; Rev. Caps., p. 159; Hem. Gymn. Eur., ii, p. 281; iii, p. 542.

Hab. Sweden.

punctipes, Reuter, Bih. Vet. Aka. Handl., iii (i), 1875, p. 42; Rev. Caps., p. 160; Hem. Gymn. Eur., ii, p. 279, t. 5, f. 4; iii, p. 473, 541: Ent. Mou. Mag., x, 1873, p. 91, 119, 165.

tanacetii, Herr. Schöff., Wanz. Ins., iii, 1835, p. 85, t. 101, f. 309 (*nec* Fallen): Kirschb., Rhyn. Wiesb., p. 242, sp. 102: (*Oncotylus*), Fieber, Eur. Hem., p. 299.

Hab. Scandinavia, N. France, Germany, N. Austria, Russia [*Atk.*, Bobemia].

pyrethri (*Capsus*), Becker, Bull. Mosc., xxxvii (2), 1864 p. 487: Walk., Cat. Het., vi, p. 90: Reuter, Bih. Vet. Aka. Handl., iii (i), p. 42; Hem. Gymn. Eur., ii, p. 280, t. 5, f. 5, ♂; 6, ♀; iii, p. 541.

Hab. S. Russia, Sarepta, Astrakhan.

Reuterii (*Oscbanin*), Reuter, Hem. Gymn. Eur., ii, 1880, p. 283; iii, p. 541.

Hab. S. Russia, Astrakhan.

setulosus (*Capsus*), Herr. Schöff., Wanz. Ins., iv, 1839, p. 30, t. 120, f. 380: (*Cylindromelus*) Fieber, Eur. Hom., p. 393: Walk., Cat. Het., vi, p. 139: Reuter, Hem. Gymn. Eur., ii, p. 274, t. 5, f. 3; t. 1, f. 19 a-e; iii, p. 473, 540; Fedtsch. Turk., p. 24.

Hab. Turkistan, S. Russia, Greece, Hungary.

viridiflavus (*Cimex*), Goeze, Ent. Beytr., ii, 1778, p. 267: Reuter, Hem. Gymn. Eur., iii, p. 473, 541; Rev. Syn. Het., p. 303.

chloris, Gmelin, Syst. Nat., iv, 1788, p. 2185.

nigropunctatus, Geoffroy, in Fourcr. Ent. Par., 1785, p. 207.

setulosus, Meyer, Rbyn. Schw., 1843, p. 53, t. 2, f. 1 (*nec* Herr. Schöff.): Fieber, Eur. Hem., p. 298: Dougl. & Scott, (*Anoterops*), Brit. Hem., p. 385, t. 12, f. 8: Walk., Cat. Het., vi p. 138: Saud., Syn., p. 295.

tanacetii, Schrank, Fauna Boica, ii, 1801, p. 92.

trisinatus, Assman, Verz. Schles. Hem., 1854, p. 41 : Reut., Hem. Gymn. Eur., ii, p. 275, 305, t. 5, f. 1 ; iii, p. 473.

Hab. Britain, France, Switzerland, Austria, Russia, Derbent [*Atk.*, Lille].

vittieeps, Reuter, Hem. Gymn. Eur., ii, 1879, p. 276 ; iii, p. 473, 541 ; Fedtsch. Turk., p. 25.

Hab. Turkistan, Tauria.

Genus **ENDERON.**

Puton, Rev. d' Ent., vii, 1888, p. 106.

Martinii, Puton, *l. c.*, p. 107.

Hab. Algeria, Biskra.

Genus **ACROTELUS.**

Reuter, C. R. Soc. Ent. Belg., 1885, p. xlv.

Loewii, Reuter, *l. c.*, p. xlv, fig.

Hab. Lower Austria.

Genus **PASTOCORIS.**

Reuter, Hem. Gymn. Eur. ii, 1879, p. 271, t. 1, f. 18 ; iii, p. 530.

Putonii, Reuter, Bih. Vet. Ak. Handl., iii (i), 1875, p. 41 ; Hem. Gymn. Eur., ii, p. 272 ; iii, p. 540.

Hab. S. France, Greece, Tunis.

Genus **STENOPARIA.**

Fieber, Verh. Zool.-Bot. Ges. Wien, xx, 1870, p. 255, t. 6 : Reuter, Hem. Gymn. Eur., ii, p. 269, t. 1, f. 17 ; iii, p. 530.

Putonii, Fieber, Verh. Zool. Bot. Ges., Wien, xx, 1870, p. 256, t. 6, f. 12 : Walk., Cat. Het., vi, p. 133 : Reut., Hem. Gymn. Eur., ii, p. 270, 305, t. 1, f. 17 *a-c* ; t. 4, f. 9 ; iii, p. 540.

var. *punctata*, Reuter, *l. c.*, *supra*, ii, p. 306.

Hab. Spain, Sardinia, Greece.

Genus **CONOSTETHUS.**

Fieber, Crit. Gen., 1859, 67 : Eur. Hem., p. 72, 299 : Dougl. & Scott, Brit. Hem., p. 397 : Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 40 ; Hem. Gymn. Eur., ii, p. 264, t. 1, f. 16 ; iii, p. 530.

Xenocoris, Fieber, Crit. Gen., 1859, 56 ; Eur. Hem., p. 71, 288 : Reut., Bih. *l. c.* *supra*, p. 40.

brevis, Reuter, Ent. Mon. Mag., xiv, 1877, p. 77 ; *id.*, Hem. Gymn. Eur., ii, p. 266 ; iii, p. 473, 540.

Hab. Scotland.

pamparum, Berg, Hem. Arg., Add. Emend., 1884, p. 92.

Hab. Buenos Ayres.

roseus (*Capsus*), Fallen, Hem. Suec., 1829, p. 124: (*Lopus*) Herr. Schöff., Nomencl. Ent., i, p. 47: (*Conostethus*), Fieber, Eur. Hem., p. 229, 394: Dougl. & Scott, Brit. Hem., p. 398, t. 13, f. 4: Walk., Cat. Het., vi, p. 140: Saund., Syn., p. 298: Reuter, Rev. Caps. p. 157; *id.*, Hem. Gymn. Eur., ii, p. 266, t. 4, f. 7, ♂; f. 8, ♀; iii, p. 473, 540.

aridellus, Flor, Rhyn. Liv., i, 1860, p. 556; Thomson, Opusc. Ent., iv, p. 452.

subpatellatus, Vollenhoven, Tijdskr. Ent., xviii, p. 172.

Hab. Scandinavia, Livonia, Germany, France, Switzerland.

salinus, J. Sahlberg, Notis. Skpts Fanna Fl. Fenn., xi, 1871, p. 296, t. 1, f. 3, 4: Reuter, Caps. Syn., p. 19; *id.*, Rev. Caps. p. 157; Hem. Gymn. Eur., ii, p. 265; iii, p. 473, 540: Saund., Syn., p. 298.

griseus, Douglas & Scott, Ent. Mon. Mag., 1870, p. 242.

Hab. Finland, Britain, Hungary, S. France [Atk., Hungary].

venustus, Fieber, Crit., 1859, sp. 14; *id.*, Eur. Hem., p. 288: Walk., Cat. Het., vi, p. 131: Reuter, Hem. Gymn. Eur., ii, p. 268, 305, t. 1, f. 16 a-c; iii, p. 473, 540.

Hab. Spain, S. France, Corsica, Italy, Greece, Algeria, Syria.

Genus **HADROPHYES.**

(Fieber), Puton, Ann. Soc. Ent. Fr., (5 s.) iv, 1874, p. 220; Reuter, Hem. Gymn. Eur., ii, p. 262, 305, t. 1, f. 15; iii, p. 531.

sulphurella (Fieber), Puton. l. c., p. 220, t. 7, f. 4: Reut., l. c., *supra*, ii, p. 263; iii, p. 540.

Hab. France, Corsica, Algeria.

Genus **LEUCOPTERUM.**

Reuter, Hem. Gymn. Eur., ii, 1879, p. 259, t. 1, f. 13; iii, p. 530: Fedtsch. Turk., p. 29.

candidatum, Reuter, l. c., ii, p. 260; iii, p. 472, 539.

Hab. S. Russia, Georgia.

fasciatum, Reuter, l. c., ii, p. 261, t. 1, f. 13; t. 5, f. 2; iii, p. 539.

Hab. S. Russia, Bogdo.

longicollis, Reuter, l. c., ii, p. 260; iii, p. 539; Fedtsch. Turk., p. 29.

Hab. Turkistan, Karak.

pallens, Reuter, l. c., ii, p. 262; iii, p. 540.

Hab. S. Russia, Bogdo.

transversum, Jakowleff, Trudi Russk. Ent., xiii, 1882, p. 127: Reut., Hem. Gymn. Eur., iii, p. 472, 540.

Hab. Georgia, Derbent.

Genus **SOLENOXYPHUS.**

Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 38; Hem. Gymn. Eur., ii, p. 255, t. 1, f. 12; iii, p. 531.

Agalliastes, pt, Fieber, Enr. Hem. 1861: *Macrocoleus*, pt, Fieber, *l. c.*:
Psallus, pt, Fieber, *l. c.*

crassiceps, Router, *l. c.*, p. 257, t. 1, f. 12 a; t. 4, f. 6; iii, p. 472, 539.

fuscovenosus, Fieber, Wien. Ent. Monats., viii, 1864, p. 330; Walk., Cat. Het., vi, p. 153.

Hab. Spain, Hungary, S. Russia, Sarepta, Turkistan.

? *kirgisicus* (*Agalliastes*), Frey Gessner, MT. Schw. Ent. Ges., 1864, p. 261: Walk., Cat. Het., vi, p. 156: Reuter, Hem. Gymn. Eur., ii, p. 258, 305, t. 1, f. 12 d, e iii, p. 472, 539.

Hab. S. Russia, Sarepta, Astrakhan, Greece, Caucasus.

lepidus (Fieber), Puton, Ann. Soc. Ent. Fr., (5 s.) iv, 1874, p. 222, t. 7, f. 3; Reut., Hem. Gymn. Eur., ii, p. 256, t. 1, f. 12 b, c; iii, p. 471, 539.

Hab. S. France, Spain, S. Russia, Turan, Mangishlak [*Atk.*, Sarepta, S. Russia].

Genus **MALTHACOSOMA.**

Reuter, Fedtsch. Turk., p. 28; Hem. Gymn. Eur., ii, 1879, p. 253, t. 1, f. 11; iii, p. 531.

punctipenne, Renter, Hem. Gymn. Eur., ii, p. 254; iii, p. 539; Fedtsch. Turk., p. 28.

Hab. Turkistan, Karakatsnk.

Genus **VORUCHIA.**

Reuter, Hem. Gymn. Eur., ii, 1879, p. 251, t. 1, f. 10; iii, p. 531; Fedtsch. Turk., p. 27.

vittigera, Reuter, Fedtsch. Turk., p. 27; Hem. *l. c.*, *supra*, ii, p. 251; iii, p. 539.

Hab. Turkistan, Voruch.

Genus **PLACOCHILUS.**

Fieber, Crit. Gen. Phyt., 1859, 85; *id.*, Enr. Hem. p. 75, 317: Renter, Rev. Caps., p. 156; Hem. Gymn. Eur., ii, p. 250, t. 1, f. 9; iii, p. 532.

Hoplomachus snbg. *Plaeochilus*, Reuter, Bih. Vet.-Aka., iii (i), 1875, p. 39; Rev. Caps., p. 156.

? *sareptanus*, Frey Gesner, MT. Schw. Ent. Ges., 1864, p. 261: Walk., Cat. Het., vi, p. 141: Reuter, Hem. Gymn. Eur., ii, p. 293.

Hab. S. Russia, Sarepta.

seladonicus (*Lygaeus*), Fallen, Mon. Cim., 1807, p. 77; *id.* (*Phytocoris*), Hem. Snec., p. 82: (*Capsus*) Herr. Schöff, Nomenol. Ent., i, p. 49: Kirschb., Rhyn. Wiesb., p. 241, sp. 103: Thomson, Opusc. Ent., iv, p. 450: (*Plaeochilus*) Fieber, Crit., 36; *id.*, Enr. Hem., p. 317: Walk., Cat. Het., vi, p. 141: Reuter, Rev. Caps., p. 156; Hem. Gymn. Eur., ii, p. 251; iii, p. 470, 539; *id.*, Rev. Syn. Het., p. 302.

? *viror*, Harris, Exp. Engl. Ins., 1781, p. 91, t. 26, f. 13.

Hab. Nearly all Europe.

Genus **PRONOTOTROPIS.**

Reuter, Hem. Gymn. Eur., ii, 1880, p. 248, t. 1, f. 8; iii, p. 529: Fedtsch. Turk., p. 26.

Oncotylus, pt, Fieber, Eur. Hem., 1861, p. 72, 298.

punctipennis (*Oncotylus*), Fieber, Wien. Ent. Monats., viii, 1864, p. 225: Walk., Cat. Het., vi, p. 140: Reuter, Hem. Gymn. Eur., ii, p. 249, t. 2, f. 8, ♂: 9 ♀; iii, p. 539; *id.*, Fedtsch. Turk., p. 26.

Hab. S. Russia, Turkistan, Tashkent.

Genus **PHOENICOCAPSUS.**

Reuter, Pet. Nouv. Ent., ii, No. 152, 1876, p. 54; Hem. Gymn. Eur., ii, 1880, p. 246: iii, p. 530.

regina, Reuter, Pet. Nouv. Ent., ii, No. 152, 1876, p. 54; Hem. Gymn. Eur., ii, p. 247; iii, p. 538.

Hab. Spain.

Genus **PACHYXYPHUS.**

Fieber, Crit., 1859, 84; Eur. Hem., p. 75, 316: Reuter, Hem. Gymn. Eur., ii, p. 242: iii, p. 532.

Pachyxyphus, Fieber, *l. c. supra*.

caesareus, Reuter, *l. c.*, ii, p. 243, t. 1, f. 7 a; iii, p. 538.

Hab. Spain, Portugal.

lineellus (*Capsus*), Muls. & Rey, Ann. Soc. Linn. Lyon, 1852, p. 113: Fieber (*Pachyxyphus*), Eur. Hem., p. 317: Walk., Cat. Het., vi, p. 141: Reuter, Hem. Gymn. Eur., ii, p. 245; iii, p. 471, 538.

coroniceps, Costa, Cim. Regn. Neap., Cent., iii, 1852, p. 41, f. 7.

Hab. S. France, Corsica, S. Italy, Spain, Dalmatia, Greece, Asia Minor.

Genus **ROUDAIREA.**

Puton & Reuter, Expl. Scient. Tunisie, 1886, p. 21.

crassicornis, Puton & Reuter, *l. c.* p. 22.

Hab. Tunis.

Genus **THERMOCORIS.**

Puton, Pet. Nouv. Ent., i, No. 130, 1875, p. 519: Reuter, Hem. Gymn. Eur., ii, p. 240, t. 1, f. 6; iii, p. 532.

Munierii, Puton, *l. c.*, *supra*, p. 519: Reuter, Hem. Gymn. Eur., ii, p. 241; iii, p. 471, 538.

Hab. Greece, Algeria, Broussa.

Genus **HOPLOMACHUS.**

Fieber, Crit. Gen. Phyt., 1859, 83; *id.*, Eur. Hem. p. 75, 316: Dougl. & Scott, Brit. Hem., p. 395: Reuter, Hem. Gymn. Eur., ii, p. 238, t. 1, f. 5; iii, p. 532.

Thunbergii (*Lygaeus*), Fallen, Mon. Cim., 1807, p. 91; *id.*, (*Phytocoris*), Hem. Suec., p. 105: (*Miris*), Germar, Faun. Ins. Eur., xiii, t. 14: (*Capsus*), Meyer, Rhyn. Schw., p. 81: F. Sahlb., Geoc. Fenn., p. 110: Kirschb., Rhyn. Wiesb., p. 242, sp. 106: Flor, Rhyn. Liv., i, p. 608: (*Phylus*), Thomson, Opus. Ent., iv, p. 451: Fieber (*Hoplomachus*), Eur. Hem., p. 316: Dougl. & Scott, Brit. Hem., p. 396, t. 13, f. 1: Walk., Cat. Het., vi, p. 140: Saund., Syn., p. 295: Reuter, Caps. Syn., p. 24; Rev. Caps., p. 155; Hem. Gymn. Eur., ii, p. 239; iii, p. 538.

Hieracii (*Lopus*), Hahn, Wanz. Ins., i, 1831, p. 144, t. 22, f. 73.

Hab. Nearly all Europe [*Atk.*, Lille].

Genus **TINICEPHALUS.**

Fieber, Crit. Gen. Phyt., 1859, g. 68, t. 6, f. 11; *id.*, Eur. Hem., p. 73, 299: Reuter, Hem. Gymn. Eur., ii, p. 232, t. 1, f. 4; iii, p. 532.

discrepanis, Fieber, Crit., 1859, sp. 20; *id.*, Eur. Hem., p. 300: Walk., Cat. Het., vi, p. 148: Reuter, Hem. Gymn. Eur., ii, p. 235, t. 4, f. 4, ♂; f. 5, ♀; iii, p. 538.

Hab. S. France, Corsica.

flavopilosus, Reuter, Hem. Gymn. Eur., ii, 1880, p. 234; iii, p. 538.

Hab. Corsica.

hortulanus (*Capsus*), Meyer, Rhyn. Schw., p. 77, t. 7, f. 3: (*Phytocoris*), Kolenati Mel. Ent., ii, p. 125?: Kirschb., Rhyn. Wiesb., p. 249, sp. 118: (*Tinicephalus*), Fieber, Eur. Hem., p. 300: Walk., Cat. Het., vi, p. 148: Saund., Syn., p. 296: Reuter, Ent. Mon. Mag., xv, 1878, p. 66; Hem. Gymn. Eur., ii, p. 236; iii, p. 471, 538.

punctipes, Dougl. & Scott, Cat. Brit. Hem., p. 38 (*nec* Reuter).

sordidus, Dougl. & Scott, Ent. Mon. Mag., iv, p. 49 (*nec* Kirschb.).

tanacetii, Dougl. & Scott, Brit. Hem., 1865, p. 394 (*nec* Fallen, *nec* Herr.

Schäff).

Hab. Britain, France, Switzerland, Germany, Austria, ? Transcaucasia.

rubiginosus, Fieber, Eur. Hem., 1861, p. 300: Walk., Cat. Het., vi, p. 148: Reut., Hem. Gymn. Eur., ii, p. 233, t. 4, f. 3; iii, p. 538.

Hab. Spain, N. Italy, Tangiers.

simplex, Uhler, Hayden Surv. Mont., 1872, p. 417; Bull. Un. St. Surv., ii, 1876, p. 319; iii, 1877, p. 418.

Hab. Colorado.

Genus **MACROCOLEUS.**

Fieber, Crit. Gen. Phyt., 1859, 88; *id.*, Eur. Hem., p. 76, 319: Dougl. & Scott, Brit. Hem., p. 386: Reuter, Rev. Caps., p. 161; Hem. Gymn. Eur., ii, p. 216, t. 1, f. 3; iii, p. 531.

Amblytylus, pt, Fieber, Eur. Hem., 1861, p. 318.

aurantiacus, Fieber, Crit. Phyt., 1859, sp. 38; *id.*, Eur. Hem., p. 320: Walk., Cat. Het., vi, p. 142: Reuter, Hem. Gymn. Eur., ii, p. 218, 305, t. 1, f. 3a; t. 3, f. 8, ♀; iii, p. 536.

Hab. Corsica, S. France, Algeria, Greece, Asia Minor.

- Bolivarii*, Reuter, Hem. Gymn. Eur., ii, 1880, p. 220, t. 1, f. 3d; iii, p. 537.
Hab. Spain.
- chrysotrichus*, Fieber, Wien. Ent. Monats., viii, 1864, p. 332: Walk., Cat. Het., vi, p. 143: Reuter, Hem. Gymn. Eur., ii, p. 225, 305, t. 3, f. 6; iii, p. 536.
Hab. S. Russia, Sarepta.
- coagulatus*, Ubler, Bull. Un. St. Surv., iii, 1877, p. 417; List, p. 20.
Hab. Colorado.
- dissimilis*, Reuter, Pet. Nouv. Ent., ii, No. 144, 1876, p. 21; Hem. Gymn. Eur., ii, p. 227; iii, p. 471, 537.
Hab. Italy, Hungary.
- exsanguis* (*Capsus*), Herr. Schöff., Nomencl. Ent., i, 1835, p. 21: Kirschb., Rhyn. Wiesb., p. 239, sp. 100: Fieber (*Macrocoleus*), Eur. Hem., p. 320: Walk., Cat. Het., vi, p. 142: Reuter, Hem. Gymn. Eur., ii, p. 229, t. 4, f. 1; iii, p. 536.
Hab. Germany.
- femoralis*, Reuter, Hem. Gymn. Eur., ii, 1880, p. 230; iii, p. 537.
Hab. Alsace.
- Krueperii*, Reuter, l. c., ii, p. 231; iii, p. 537.
Hab. Algeria.
- longirostris* (*Amblytylus*), Fieber, Eur. Hem., 1861, p. 319: Walk., Cat. Het., vi, p. 55: Reuter, Hem. Gymn. Eur., ii, p. 222, 305, t. 3, f. 9 ♀; iii, p. 537.
Hab. Spain, Portugal, S. France, Greece.
- Mellae*, Reuter, Pet. Nouv. Ent., ii, No. 152, 1876, p. 54; Hem. Gymn. Eur., ii, 1879, p. 224; iii, p. 471, 536.
Hab. Italy.
- molliculus* (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 82: Herr. Schöff., Wanz. Ins., vi, p. 32, t. 191, f. 589: Meyer, Rhyn. Schw., p. 78: F. Sahlb., Geoc. Feun., p. 108: Kirschb., Rhyn. Wiesb., p. 240, sp. 101: Flor, Rhyn. Liv., i, p. 611: Thomson, Opus. Ent., iv, p. 451: Fieber (*Macrocoleus*), Eur. Hem., p. 321: Dougl. & Scott, Brit. Hem., p. 387, t. 12, f. 9; Walk., Cat. Het., vi, p. 143: Saund., Syn., p. 297: Reuter, Rev. Caps., p. 161; Eur. Hem., ii, p. 226, 305; iii, p. 537.
Hardyi, Bold, Trans. N. Durban Soc., iv, 1872, p. 358.
Hab. Nearly all Europe, Britain [Atk., Lille].
- naso*, Reuter, Hem. Gymn. Eur., ii, 1879, p. 221, t. 1, f. 3 b. c.; iii, p. 471, 537.
Hab. Corsica.
- ochroleucus* (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 248, sp. 117, p. 313: Reut. Hem. Gymn. Eur., ii, p. 228; iii, p. 471, 537.
Hab. Germany, Hungary.
- pilosus* (*Oimeu*), Schrank, Fauna Boica, ii, 1801, p. 87: Reuter, Rev. Syn. Het., p. 302.
 ♀ aureolus, Fieber, Crit., 1859, sp. 37; *id.*, Eur. Hem., p. 320: Walk., Cat. Het., vi, p. 142.
 sordidus, Kirschbaum, Rhyn. Wiesb., 1855, p. 247, sp. 116, p. 310: Fieber, Eur. Hem., p. 320; Walk., Cat. Het., vi, p. 142.

tanacetii, Fallén, Hem. Suec., 1829, p. 83: Flor, Rhyn. Liv., i, p. 610
Thomson, Opusc. Ent., iv, p. 450: Walk., Cat. Het., vi, p. 139: Saund.,
Syn., p. 296: Reuter, Ent. Mou. Mag., xv, 1878, p. 66; Hem. Gymn. Eur.,
ii, p. 223, 305, t. 3, f. 7; iii, p. 471, 536.

Hab. Scandinavia, Livonia, Hungary, Germany, Russia, N. France, Britain,
[Atk., Lille].

Signoretii, Reuter, Ann. Soc. Esp. H. N., ix, 1880, p. 194: Hem. Gymn. Eur., ii,
1880, p. 219.

Hab. S. France.

p. tibialis, Jakowleff, Trudi Russki Ent., xi, 1880, p. 217: Reut., Hem. Gymn. Eur.,
iii, p. 471, 537.

Hab. S. Russia, Sarepta.

Genus **ALLOETOMUS.**

Reuter, C. R. Soc. Ent. Belg., 1885, p. xlvii.

vitellinus, Reuter, l. c., p. xlvii, fig.

Hab. Portugal.

Genus **AMBLYTILUS.**

Fieber, Crit. Gen. Phyt., 1859, 87, t. 6, f. 22; Eur. Hem., p. 76, 318: Dougl. &
Scott, Brit. Hem., p. 388: Reuter, Rev. Caps., p. 163; Hem. Gymn. Eur., ii,
p. 208; iii, p. 530.

Miris, pt, Hahn, Wanz. Ins., i, 1831: *Lopus*, pt, Kirschbaum, 1855: *Capsus*
pt., Flor, 1860.

affinis, Fieber, Wien. Ent. Monats., viii, 1864, p. 332: Dougl. & Scott, Brit. Hem.,
p. 389: Walk., Cat. Het., vi, p. 56: Saund., Syn., p. 298: Reut., Hem. Gymn. Eur.,
ii, p. 213, t. 3, f. 2; iii, p. 470, 535.

Hab. N. Germany, Belgium, France, Italy, Britain [Atk., Lille].

albidus (*Miris*), Hahn, Wanz. Ins., ii, 1834, p. 77, t. 53, f. 162: Kirschb. (*Lopus*),
Rhyn. Wiesb., p. 195, sp. 9: Thomson (*Phylus*), Opusc. Ent., iv, p. 452: Fieber
(*Amblytylus*), Eur. Hem., p. 318: Walk., Cat. Het., vi, p. 55: Reuter, Rev. Caps.,
p. 163; *id.*, Hem. Gymn. Eur., ii, p. 209; iii, p. 470, 535.

frontalis, Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 127.

Hab. S. Sweden, Denmark, Germany, S. France.

brevicollis, Fieber, Crit. Caps., 1859, sp. 35: Eur. Hem., p. 318: Walk., Cat. Het.,
vi, p. 55: Reuter, Hem. Gymn. Eur., ii, p. 214, t. 3, f. 3; iii, p. 535.

Hab. Corsica, S. France.

concolor, Jakowleff, Bull. Moso., lii (2), 1877, p. 297: Reuter, Hem. Gymn. Eur.,
ii, p. 214; iii, p. 470, 535.

Hab. S. Russia, Astrakhan, Hungary, Turkistan.

delicatulus, Perris, Ann. Soc. Linn. Lyon, iv, 1857, p. 167: Reuter, Hem. Gymn.,
Eur., ii, p. 210; iii, p. 469, 535; Berl. Ent. Zeits., xxv, 1881, p. 160, ♀.

Hab. S. France.

- p. Jani*, Fieber, Eur. Hem., 1861, p. 319: Walk., Cat. Het., vi, p. 55: Reuter, Hem. Gymn. Eur., ii, p. 292, t. 3, f. 5.
Hab. Italy.
- p. longiceps*, Flor, Rhyn. Liv., i, 1860, p. 554: Walk., Cat. Het., vi, p. 55: Reuter, Hem. Gymn. Eur., ii, p. 293, t. 3, f. 4.
Hab. Livonia.
- p. lunula*, Fieber, Eur. Hem., 1861, p. 318: Walk., Cat. Het., vi, p. 55: Reuter, Hem. Gymn. Eur., ii, p. 292, t. 5, f. 9.
Hab. Spain.
- nasutus (Lopus)*, Kirschbaum, Rhyn. Wiesb., 1855, p. 195, sp. 10, p. 281: Flor, Rhyn. Liv., i, p. 552: Fieb., Eur. Hem., p. 319: Reuter, Rev. Caps., p. 164: *id.*, Hem. Gymn. Eur., ii, p. 211, t. 3, f. 1; iii, p. 470, 535.
Hab. S. Sweden, Denmark, Germany, Hungary, Italy, Corfu.
- p. ornatus*, Jakowleff, Trudi Russk. Ent., xii, 1882, p. 140: Reuter, Hem. Gymn. Eur., iii, p. 470.
Hab. Caucasus, Derbent.
- testaceus*, Reuter, Hem. Gymn. Eur., ii, 1880, p. 215; iii, p. 536.
Hab. Hungary.

Genus **MACROTYLUS.**

- Fieber, Crit. Gen. Phyt., 1859, 86; *id.*, Eur. Hem., p. 76, 317: Reuter, Hem. Gymn. Eur., ii, p. 194, t. 1, f. 1; iii, p. 529.
Lopus, pt, F. Sahlb., Geoc. Fenn., 1848: *Macrocoleus*, pt, *Hoplomachus*, pt, Fieber, Eur. Hem. 1861: *Oncotylus*, pt. Dougl. & Scott, 1865: *Mermimerus*, J. Sahlb., Notis. Skpts pro Faun. Fl. Fenn., xi, 1871, p. 293; Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 43.
- atricapillus (Litosoma)*, Scott, Ent. Mon. Mag., viii, 1872, p. 194: Walk., Cat. Het., vi, p. 131: Reuter, Hem. Gymn. Eur., ii, p. 206; iii, p. 468, 534.
gracilis, Puton, Ann. Soc. Ent. Fr., (5 s.) iv, 1874, p. 221.
Hab. S. France, Spain, Corsica, Greece.
- attenuatus*, Jakowleff, Trudi Russki., xiii, 1882, p. 172: Reuter, Hem. Gymn. Eur., iii, p. 468, 535.
Hab. S. Russia, Sarepta.
- bicolor (Macrocoleus)*, Fieber, Eur. Hem., 1861, p. 319: Walk., Cat. Het., vi, p. 142: Reuter, Hem. Gymn. Eur., ii, p. 204, t. 2, f. 6; iii, p. 533.
Hab. Spain.
- bipunctatus*, Reuter, Hem. Gymn. Eur., ii, 1879, p. 207; iii, p. 535.
Hab. France.
- colon*, Reuter, An. Soc. Esp. N. H., ix, 1880, p. 194: Ofvers. Finska Soc. Förh., xxii, p. 23: Hem. Gymn. Eur., iii, p. 467, 534.
Hab. Spain.
- cruciatus (Lopus)*, F. Sahlberg, Mon. Geoc. Fenn., 1848, p. 89: (*Mermimerus*) J. Sahlb., Not. Fauna Fl. Fenn., xi, p. 294: Reuter, Rev. Caps., p. 162; Ofvers. Finska

- Soc. Förh., xxi, p. 56; Walk., Cat. Het., vi, p. 58: Reuter, Hem. Gymn. Eur., ii, p. 198; iii, p. 467, 535.
proletus, Stål, Stettin. Ent. Zeit., xix, 1858, p. 187, ♀: Walk., Cat. Het. vi, p. 144.
 Hab. Finland, Karelia, Siberia.
- elevatus*, Fieber, Crit. Phyt., 1859, sp. 37; Eur. Hem., p. 321: Walk., Cat. Het., vi, p. 143: Reuter, Hem. Gymn. Eur., ii, p. 199, t. 2, f. 5, ♀, iii, p. 535.
 Hab. S. France, Corsica, Hungary.
- fulvicornis*, Jakowleff, Bull. Mosc., lvi (4), 1882, p. 364: Reuter, Hem. Gymn. Eur., iii, p. 469, 535.
 Hab. S. Russia.
- Herrichii*, Reuter, Not. Skpts. Faun. Flor. Fenn., xiv, 1871, p. 24; Hem. Gymn. Eur., ii, p. 200; iii, p. 534.
bilineatus, Herr. Schöff., Wanz. Ins., iii, p. 70, t. 96, f. 285 (*nec* Fallen): Kirschb., Rhyn. Wiesb., p. 242, sp. 105: Fieber, Eur. Hem., p. 316: Walk., Cat. Het., vi, p. 141.
 Hab. France, Germany, Austria, Hungary.
- Horvathii* (*Amblytulus*), Reuter, Pet. Nouv. Ent., ii, No. 144, 1876, p. 21; Hem. Gymn. Eur., ii, p. 203, 305; iii, p. 467, 534.
 Hab. Hungary, S. France, Greece.
- lutescens*, Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 262: Walk., Cat. Het., vi, p. 141: Reuter, Hem. Gymn. Eur., ii, p. 197, t. 2, f. 4; iii, p. 535.
 Hab. Spain, Portugal, Italy.
- mundulus* (*Leptomerochoris*), Stål, Stettin. Ent. Zeit., xix, 1858, p. 188, ♂: Walk., Cat. Het., vi, p. 144: Reuter, Ofvers. Finska Soc. Förh., xxi, p. 56: Hem. Gymn. Eur., ii, 1879, p. 208, 305, t. 2, f. 7 ♂; iii, p. 534.
 Hab. E. Siberia, Irkutsk.
- nigricornis*, Fieber, Wien. Ent. Monats., viii, 1864, p. 331, ♀: Walk., Cat. Het., vi, p. 141: Reuter, Hem. Gymn. Eur., ii, p. 195, t. 2, f. 2, 3; iii, p. 535: Ferrari, Ann. Mus. Civ. Gen., (2 s.), i, 1884, p. 486.
var. melanocerus, Puton, Ann. Soc. Ent. Fr., (5 s.) ix, 1876, p. 282, ♂.
 Hab. Greece, Algeria, Tunis.
- Paykullii* (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 106: Fieber (*Macrocoleus*), Eur. Hem., p. 319: Dougl. & Scott, Brit. Hem., p. 388: Saund. Syn., p. 297: Reuter (*Mermimerus*), Hem. Gymn. Scan. & Fenn., p. 162: Thomson (*Phylus*), Opusc. Ent., iv, p. 451: Walk., Cat. Het., vi, p. 142: Reuter (*Macrotylus*), Hem. Gymn. Eur., ii, p. 204; iii, p. 468, 534.
elegans (*Poecilosoma*), Curtis.
maculipennis, Herr. Schöff., Nomencl. Ent., i, 1835, p. 50: Meyer, Rhyn. Schw., p. 81, t. 5, f. 1: Kirschb., Rhyn. Wiesb., p. 241, sp. 104.
var. nigripes (*Macrocoleus*), Puton, Ann. Soc. Ent. Fr., (5 s.) iv, 1874, p. 221.
 Hab. S. & Middle Europe to S. Sweden; Tunis [Atk., Dunkirk, Stazzano].
- quadrilineatus* (*Cimex*), Schrank, Verz. Ins. Bercht., 1785, p. 339: Reut., Hem. Gymn. Eur., iii, p. 467, 533; *id.*, Rev. Syn. Het., p. 301.
albopunctatus, Garbig., Bull. Soc. Ent. Ital., i, 1869, p. 194: Walk., Cat. Het., vi, p. 144.

luniger (*Macrotylus*), Fieber, Crit., ii, 1859, 34; Eur. Hem., p. 318; Walk., Cat. Het., vi, p. 141; Reuter, Hem. Gymn. Eur., ii, p. 195, t. 2, f. 1.

Hab. Austria, Switzerland, Italy.

solitarius (*Capsus*), Meyer, Rhyn. Schw., 1843, p. 83, t. 5, f. 4; Fieb. Eur. Hem., p. 321; Dougl. & Scott, Ent. Mon. Mag., iv, 227, t. 2, f. 4; Walk., Cat. Het., vi, p. 142; Saund., Syn., p. 297; Reut., Hem. Gymn. Eur., ii, p. 202, 305; iii, p. 467, 534.

var. *pilosus* (*Oncotylus*), Douglas & Scott, Brit. Hem., 1865, p. 395; Ent. Mon. Mag., x, p. 165, 277; Walk., Cat. Het., vi, p. 139.

seladonicus, Kirschbaum, Rhyn. Wiesb., 1855, p. 241, sp. 103 (*nec* Fallen).

Hab. Austria, Switzerland, France, Britain [*Atk.*, Bohemia].

Div. XVII, **PLAGIOGNATHARIA**, Reuter, Hem. Gymn. Eur., i, 1879, p. 15; iii, 1883, p. 568.

Genus **HARPOCERA.**

Curtis, Brit. Ent., xv, 1838, p. 36; Fieber, Eur. Hom., p. 72, 296; Dougl. & Scott, Brit. Hem., p. 468; Reuter, Rev. Caps., p. 165; *id.*, Hom. Gymn., Eur., i, p. 168 iii, p. 504.

hellenica, Reuter, Pet. Nouv. Ent., ii, No. 144, 1876, p. 21; Hem. Gymn. Eur., i, p. 170; iii, p. 466, 528.

Hab. Greece.

thoracica (*Lygaeus*), Fallen, Mon. Cim., 1807, p. 81; *id.*, Hem. Suec., p. 111; Horr. Schaff., Nomencl. Ent., p. 52; Meyer, Rhyn. Schw., p. 102, t. 6, f. 5, ♀; Kirschb., Rhyn. Wiesb., p. 233, sp. 82, p. 277; Fieber (*Harpocera*), Crit., 28; *id.*, Eur. Hem., p. 297; Dougl. & Scott, Brit. Hem., p. 469, t. 15, f. 3; Thomson, Opusc. Ent., iv, p. 443; Walk., Cat. Het., vi, p. 138; Saund., Syn., p. 299; Reuter, Rev. Caps., p. 165; *id.*, Hem. Gymn. Eur., i, p. 169, t. 8, f. 6, ♂; f. 7, ♀; iii, p. 466, 527; Rev. Syn. Het., p. 312.

antennatus, Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 129, ♂.

Burmeisteri (*Harpocera*), Curtis, Brit. Ent., xv, 1838, p. 709, f. 709, ♂.

circumflexa, Costa, Cim. Regn. Neap. Cent., iii, 1852, p. 36, t. 7, f. 6.

curvipes, Meyer, Rhyn. Schw., 1843, p. 98, t. 5, f. 3, ♂.

dispar, Stephens, *teste*, Signoret, Bull. Soc. Ent. Fr., 1853, p. liv,

picticornis, Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 149, ♀.

? *prothyris*, Vill., Ent. Auct., 1789, p. 529.

Hab. Middle & S. Europe [*Atk.*, Lille].

Genus **BYRSOPTERA.**

Spinola, Ess., 1837, p. 191; Dougl. & Scott, Brit. Hem., p. 351; Reuter, Rev. Caps., p. 166; Hem. Gymn. Eur., i, p. 165, 181; iii, p. 501.

Bryocoris, pt, F. Sahlberg, Mon. Geoc. Fenn., 1848.

Capsus, pt, Fallen, Mon. Cim., 1807.

Cyllecoris, pt, Hahn, Wanz. Ins.

Halticus, pt, Burm., Handb. Ent., ii (i), 1835.

Malthacus, Fieber, Crit. Gen. Phyt., 1859, g. 77; Eur. Hem., p. 74, 312.

- cylindricollis* (*Halticus*), Costa, Cim. Regn. Neap., Cent. iii, 1852, p. 280: Reuter, Hem. Gymn. Eur., iii, p. 465, 527: Horvath, Rev. d' Ent., vii, 1888, p. 182, ♂.
Hab. France, Italy, Hungary, Greece.
- tusciornis*, Reuter, Hem. Gymn. Eur., i, 1879, p. 168; iii, p. 527: Fedtsch. Turk., p. 38.
Hab. Turkistan.
- pontica*, Horvath, Rev. d' Ent., vii, 1888, p. 182.
Hab. Tauria.
- rossica*, Reuter, Hem. Gymn. Eur., i, 1879, p. 167; iii, p. 527.
Hab. S. Russia.
- rufifrons* (*Capsus*), Fallen, Mon. Cim., 1807, p. 105: Herr. Schöff., Wanz. Ins., iii, p. 110, t. 108, f. 338, ♀: Burm. (*Halticus*), Handb. Ent., ii (i), p. 278: Westwood (*Astemma*), Mod. Class. Ins., ii, p. 121: Meyer (*Capsus*), Rhyn. Schw., p. 112: Kolenati (*Eurycephala*), Mel. Ent., ii, p. 131: F. Sahlb. (*Bryocoris*), Geoc. Fenn., p. 124: Kirschb., Rhyn. Wiesb., p. 235, sp. 77; p. 274: Flor, Rhyn. Liv., i, p. 622: Thomson, Opusc. Ent., iv, p. 445: Walk., Cat. Het., vi, p. 130: Saund., Syn., p. 283: Reuter, Caps. Syn., p. 23; *id.*, Rev. Caps., p. 167; Hem. Gymn. Eur., i, p. 166; iii, p. 465, 527; Rev. Syn. Het., p. 308.
ambulans, ♀, var. ♂, Fallen, Hem. Suec., 1829, p. 126.
caricis, Fieber, Crit., 1859, 34; *id.* (*Malthacus*), Eur. Hem., p. 313 (*nec* Fallen): Dougl. & Scott, Brit. Hem., p. 352, t. 11, f. 6.
erythrocephala (*Byrsoptera*), Spinola, Ess., 1837, p. 191.
? *leucocephalus*, Sohrank, Fauna Boica, 1801, p. 78 (*nec* Linn.).
Hab. Nearly all Europe, Asia Minor [*Atk.*, Hungary].
- syriaca*, Puton, MT. Schw. Ent. Ges., vi (3), 1881, p. 127: Reuter, Hem. Gymn. Eur., iii, p. 465, 527.
Hab. Syria, Kaiffa.

Genus **BRACHYARTHURUM.**

- Fieber, Crit. Gen., 1859, 70; Eur. Hem., p. 73, 301: Reuter, Rev. Caps., p. 170; *id.* Hem. Gymn. Eur., i, p. 164, t. 1, f. 19 ♂; iii, p. 501.
- limitatum*, Fieber, Eur. Hem., 1861, p. 301, ♀: Walk., Cat. Het., vi, p. 148: Reuter, Rev. Caps., p. 170; *id.*, Hem. Gymn. Eur., i, p. 164, t. 8, f. 5, ♀; iii, p. 465, 526.
nigriceps, Bohem., Nya Svenska Hem., 1852, p. 67 (*nec* Fallen) ♀: Reuter, Caps. Syn., 1875, p. 19.
pinetellum, Thomson, Opusc. Ent., iv, 1871, p. 244 (*nec* Zett.).
Hab. Sweden, S. Finland, Bohemia.

Genus **PHYLUS.**

- Hahn, Wanz. Ins., i, 1831, p. 26: Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 44, pt; Rev. Caps., p. 168; *id.*, Hem. Gymn. Eur., i, p. 159, t. 1, f. 19 a-c; iii, p. 501.
Gnostus, Fieber, Crit. Gen. Phyt., 1859, g. 82; Eur. Hem., p. 75.
Teratoscopus, Fieber, Eur. Hem., p. 315.

coryli (*Cimeæ*), Linn., Syst. Nat., (ed. 10), 1758, p. 451: Fabr., Syst. Ent., 1775, p. 724; *id.*, Syst. Rhyng., p. 234: Schrank, Fauna Boica, ii, p. 84? : Fallen, Mon. Cim., p. 83; *id.*, Hem. Suec., p. 90: Herr. Schöff., Nomencl. Ent., i, p. 52: Burm. Handb. Ent., ii (i), p. 268: Westwood, Mod. Class. Ins., ii, p. 122: Meyer, Rhyn. Schw., p. 54: F. Sahlb., Geoc. Fenn., p. 99: Kirschb., Rhyn. Wiesb., p. 234 sp. 85: Flor, Rhyn. Liv., i, p. 620: Fieber, Crit., 35; *id.*, Eur. Hem., p. 315: Dougl. & Scott, Brit. Hem., p. 356: Thomson, Opus. Ent., iv, p. 444: Walk., Cat. Het., vi, p. 88: Saund., Syn., p. 300: Renter, Rev. Caps., p. 168; *id.*, Hem. Gymn. Eur., i, p. 161; iii, p. 526; *id.*, Rev. Syn. Het., p. 310, 396.

? *flavipes*, Scopoli, Ent. Carn., 1763, p. 134.

? *mutabilis*, Linn., Syst. Nat. (ed. 10), 1758, p. 449; Faun. Suec., p. 256.

pallipes (*Phylus*), Hahn, Wanz. Ins., i, 1831, p. 26, t. 4, f. 16: Costa, Cim.

Regn. Neap., Cent., i (1838) p. 50.

? *rufiventris*, Fallen, Hem. Suec., 1829, p. 100: Pnton, Cat., 1886, p. 60.

var. *avellanae* (*Capsus*), Meyer, Stettin. Ent. Zeit., ii, 1841, p. 83; *id.*, Rhyu. Schw., p. 54, t. 2, f. 2: Herr. Schöff., Wanz. Ins., vi, p. 98, t. 212, f. 670: Kirschb., Rhyn. Wiesb., p. 235, sp. 86, p. 277; Fieber, Crit., 35; *id.*, Eur. Hem., p. 315: Dougl. & Scott, Brit. Hem., p. 357: Walk., Cat. Het., vi, p. 88: Saund., Syn., p. 300: Renter, Hem. Gymn. Eur., i, p. 161, t. 8, f. 2; iii, p. 465, 526.

Hab. Nearly all Europe [*Atk.*, Liguria, Hungary].

lituratus, Fieber, Eur. Hem., 1861, p. 315: Walk., Cat. Het., vi, p. 87: Renter, Hem. Gymn. Eur. i, p. 162, t. 8, f. 3; iii, p. 526.

Hab. Ural Mountains.

melanocephalus (*Cimeæ*), Linn., Syst. Nat., (ed. 12), 1767, p. 728: Hahn (*Lygus*), Wanz. Ins., i, p. 155, f. 79: Burm., Handb. Ent., ii (i), p. 268: Meyer, Rhyn. Schw., p. 55: F. Sahlb., Geoc. Fenn., p. 99: Costa, Cim. Regn. Neap., Cent. iii, p. 40: Kirschb., Rhyn. Wiesb., p. 234 sp. 84: Flor, Rhyn. Liv., i, p. 621: Fieber, (*Phylus*), Crit., 1859, 35; *id.*, Eur. Hem., p. 315: Dougl. & Scott, Brit. Hem., p. 355: Stål, Hem. Fabr., i, p. 89: Thomson, Opusc. Ent., iv, p. 444: Walk., Cat. Het., vi, p. 87: Saund., Syn., p. 300: Renter, Rev. Caps., p. 169; *id.*, Hem. Gymn. Eur. i, p. 160; ii, p. 304; iii, p. 526; *id.*, Rev. Syn. Het., p. 309.

diaphanus, Vill., Ent. Auct., 1789, p. 535.

leucopus, Gmelin, Syst. Nat. iv, 1788, p. 2167.

nigripes, Muls. & Rey, Ann. Soc. Linn. Lyon, 1852, p. 137.

ochropterus, Gmelin, Syst. Nat., iv, 1788, p. 2167.

pallens, Fabr., Mant. Ins., 1787, p. 306; *id.*, Syst. Rhyng., p. 254: Latreille, Hist. Nat., xii, p. 228.

pallidus, Gmelin, Syst. Nat., iv, 1788, p. 2190.

revestitus, Fallen, Mon. Cim., 1807, p. 82; *id.*, Hem. Suec., p. 89.

Hab. Nearly all Europe [*Atk.*, Lille].

palliceps, Fieber, Eur. Hem., 1861, p. 315: Dougl. & Scott, Brit. Hem., p. 355: Walk., Cat. Het., vi, p. 87: Saund., Syn., p. 300: Renter, Hem. Gymn. Eur., i, p. 160; iii, p. 464, 526.

aurantiacus, Vollenhoven, Inl. Hem., in Tijdschr. Ent., xix, p. 104.

Hab. Britain, Holland, France, Spain, Austria [*Atk.*, Hungary].

plagiatus (*Capsus*), Herr. Schöff., Nomencl. Ent., i, 1835, p. 50; *id.*, Panzer, Faun. Germ., 135, t. 10, ♀ : Herr. Schöff., Wanz. Ins., vi, p. 30, t. 191, f. 587, ♂ : Fieber, Crit. Phyt., p. 35; *id.*, Eur. Hem., p. 316 : Walk., Cat. Het., vi, p. 140 : Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 160, Var.; *id.*, Hem. Gymn. Eur., i, p. 163, t. 8, f. 4; iii, p. 465.

instictatus, Fieber, Weit. Beytr., i, 1836, p. 104, t. 2, f. 3.

Hab. France, Switzerland, Austria.

Genus **ICODEMA.**

Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 45; Hem. Gymn. Eur., i, p. 157; iii, p. 501.

Plagionathus, pt, Fieber : *Orthotylus*, pt, Frey Gessner.

infuscatum (*Plagiognathus*), Fieber, Enr. Hem., 1861, p. 303 : Walk., Cat. Het., vi, p. 149 : Rent., Hem. Gymn. Eur., i, p. 158, t. 8, f. 6; ii, p. 304; iii, p. 464, 526.

pallidus, Meyer, MT. Schwe. Ent. Ges., iii, 1870, p. 209; Pnton, *ib.*, p. 421 : Walk., Cat. Het., vi, p. 133.

Hab. S. Finland, France, Spain, Austria.

Genus **PLESIODEMA.**

Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 45; Rev. Caps., p. 171; Hem. Gymn. Eur., i, p. 155; iii, p. 500.

Agalliastes, pt, Fieber, Eur. Hem., 1861, p. 74, 810.

Capsus, pt, Zetterstedt.

pinetellum (*Phytocoris*), Zetterstedt, Ins. Lapp., 1840, p. 276 : (*Capsus*) Kirschbaum, Rhyn. Wiesb., p. 236, sp. 90, p. 277, ♂ : Flor, Rhyn. Liv., i, p. 586 : Walk., Cat. Het., vi, p. 148 : Reuter, (*Plesiodema*), Rev. Caps., p. 171; Ent. Mon. Mag., xiii, p. 85; Caps. Syn., p. 23; Hem. Gymn. Eur., i, p. 156, 179; ii, p. 304; iii, p. 464, 526 : Saund., Syn., p. 654.

lugubris, Fieber, Eur. Hem., 1861, p. 312 : Walk., Cat. Het., vi, p. 155.

pallidipennis, J. Sahlb., Notis Skpts Fauna Fl. Fenn., ix, 1867, p. 178, ♀.

var. { *impurum*, Reuter, Caps. Syn., 1875, p. 22 (*nec* Bohem.).

{ *pallidipennis*, var. β, Reuter, Hem. Gymn. Eur., i, p. 115.

Hab. N. & Middle Europe, N. Italy, Scotland [*Ath.*, Lille].

Genus **EUROTAS.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 302.

nodosus, Distant, *l. c.*, p. 303, t. 29, f. 12.

Hab. Panama, Bugaba.

Genus **LAMPETHUSA.**

Distant, Biol. Centr. Amer. Rhyn., 1884, p. 303.

anatina, Distant, *l. c.*, p. 303, t. 29, f. 13.

Hab. Guatemala, Zapote.

Genus **PSALLUS.**

Fieber, pt, Crit. Gen., 1859, g. 74; *id.*, Eur. Hem., p. 74, 305: Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 47; Rev. Caps., p. 174; *id.*, Hem. Gymn. Eur., i, p. 101, t. 1, f. 18; iii, p. 503.

Agalliastes, pt, Fieber, Eur. Hem., 1861, p. 74, 310.

Apocremnus, Fieber, Crit. Phyt., 1859, g. 73; Eur. Hem., p. 74, 304: Reuter, Bih. l. c. *supra*, p. 47.

Atractotomus, pt, Fieber, Eur. Hem., 1861, p. 71, 294.

Liops, pt, Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1880, p. 254, t. 6; Reuter, Bih. l. c. *supra*, p. 49.

absinthii, Scott, Stettin. Ent. Zeit., xxxi, 1860, p. 100: Walk., Cat. Het., vi, p. 156: Reuter, Hem. Gymn. Eur., i, p. 150; iii, p. 525.

aethiops (*Phytocoris*), Zetterstedt, Ins. Lapp., 1840, p. 274?: Thomson (*Phylus*), Opusc. Ent., iv, p. 446: J. Sahlb., Vet.-Aka. Handl., xvi, (4), 1878, p. 30: Reuter, Caps. Syn., p. 21; Abo Hem., p. 179; *id.*, Rev. Caps., p. 177; Hem. Gymn. Eur., i, p. 109, 176; iii, p. 517, 519.

intermedius, F. Sahlb., Geoc. Fenn., 1848, p. 116: Reuter, Caps. Syn., p. 21; Rev. Caps., p. 175; Hem. Gymn. Eur., i, p. 107, 176.

Hab. S. Finland, Lapland, Siberia [*Atk.*, Finland].

albicinctus (*Capsus*), Kirschb., Rhyn. Wiesb., 1855, p. 256, sp. 138, p. 332: Fieber (*Psallus*), Eur. Hem., p. 307: Walk., Cat. Het., vi, p. 152; Reuter, Rev. Caps., p. 190; *id.*, Hem. Gymn. Eur., i, p. 148, t. 6, f. 3; iii, p. 463, 523.

Hab. Denmark, Germany, S. Austria, Switzerland, N. France, Belgium [*Atk.*, Lille].

albipes (*Apocremnus*), Jakowleff, Bull. Mosc., lvi (2), 1877, p. 298: Reuter, Hem. Gymn. Eur., i, p. 114; iii, p. 520.

Hab. S. Russia.

alnicola, Douglas & Scott, Ent. Mon. Mag., viii, p. 62: Saund. Syn., p. 305: Reuter, Rev. Caps., p. 183; Abo Hem., p. 182; Hem. Gymn. Eur., i, p. 126; iii, p. 522.

alni, Douglas & Scott, Brit. Hem., 1865, p. 414

Hab. Britain, Scandinavia.

ambiguus (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 99: Zett., Ins. Lapp., p. 274: Herr. Schöff. (*Capsus*), Wanz. Ins., vi, 1842, p. 43, t. 95, f. 602, ♀: Meyer, Stettin. Ent. Zeit., ii, 1841, p. 85?; Rhyn. Schw., p. 60: F. Sahlb., Geoc. Fenn., p. 114: Kirschb., Rhyn. Wiesb., p. 254, sp. 132, p. 279: Flor, Rhyn. Liv., i, p. 627: Thomson, Opusc. Ent., iv, p. 346: Fieber (*Apocremnus*), Eur. Hem., p. 305, pt; Walk., Cat. Het., vi, p. 150: Reuter, Caps. Syn., p. 20, pt; Abo Hem., p. 179; *id.*, Rev. Caps., p. 178; Hem. Gymn. Eur., i, p. 105, t. 7, f. 8; ii, p. 302; iii, p. 460, 517, 519: Saund., Syn., p. 302.

betuleti, Zetterstedt, Ins. Lapp., 1840, p. 274.

mutabilis, Fallen, Hem. Suec., 1829, p. 98, ♀ p. 252, sp. 128.

obscurus, Kirschbaum, Rhyn. Wiesb., 1855, ♂, ♀: Douglas & Scott, Brit. Hem., p. 406.

Hab. Nearly all Europe.

ancorifer, Fieber, Crit. Phyt., 1859, sp. 24, *id.*, Eur. Hem., p. 304: Walk., Cat. Het., vi, p. 150: Reuter, Hem. Gymn. Eur., i, p. 104, t. 7, f. 7; iii, p. 459, 460, 517, 518.

- nigripes*, Fieber, Eur. Hem., 1861, p. 295, ♂.
 var. *fuscinervis*, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 56, ♂; Hem. Gymn. Eur., i, p. 103, 176, t. 1, f. 18 *f-h*; ii, p. 303; iii, p. 459.
 „ *minor*, Reuter, Hem. Gymn. Eur., iii, 1883, p. 459, 460: Ferrari, Ann. Mus. Civ. Gen., 1884, p. 486.
 Hab. S. Europe, Greece, Tunis, Asia Minor [*Atk.*, Catalonia, Genoa].
- antieus* (*Apocremnus*), Reuter, Pet. Nouv. Ent., ii, No. 144, 1876, p. 22; Hem. Gymn. Eur., i, p. 118; iii, p. 520.
 Hab. S. Russia, Greece.
- argyrotrichus*, Fieber, Eur. Hem., 1861, p. 308: Walk., Cat. Het., vi, p. 152: Rent., Hem. Gymn. Eur., i, p. 153; iii, p. 526.
 Hab. Spain, Aachen.
- atomosus*, Reuter, Hem. Gymn. Eur., i, 1879, p. 150; ii, p. 303; iii, p. 464, 525.
 ? = *absinthii*, Scott, *q. v.*
 Hab. France, S. Russia, Sarcpta.
- aurora* (*Capsus*), Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 133; Rent., *l. c.*, *supra*, p. 146; iii, p. 523.
 Hab. S. France, Spain, Algeria.
- betuleti* (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 97: Zett., Ins., Lapp., p. 274: F. Sahlb., Gece. Fenn., p. 114: Thomson, Opusc. Ent., iv, p. 445: Reuter, Caps. Syn., p. 20; Abo Hem., p. 180; *id.*, Rev. Caps., p. 176; Hem. Gymn. Eur., i, p. 110, 178; ii, p. 302; iii, p. 469, 518, 519; Rev. Syn. Het., p. 306: Saund., Syn., p. 302.
 ? *ambiguus*, pt, Flor. Rhyu. Liv., i, 1860, p. 627, ? : Fieber, Eur. Hem., p. 305, pt: Dougl. & Scott, Brit. Hem., p. 404, *excl. syn.*
betulae, Kirschb., Rhyn. Wiesb., 1855, p. 254, sp. 133, p. 327, ♀.
 ? *cruentus*, Müller, Zool. Dan., 1776, p. 108 (*nom. praeoc.*)
 ? *leucostictus*, Gmelin, Syst. Nat. iv, 1788, p. 2180.
 ? *Mülleri*, Turton, Syst. Nat., ii, 1806, p. 671.
 ? *obscurus*, Kirschb., Rhyn. Wiesb., 1855, p. 252, sp. 128, p. 279, 322: *teste* Puton, Cat. 1886.
ruber, Herr. Schöff., Nomen. Ent., i, 1835, p. 50, ♀.
 Hab. Nearly all Europe, S. Finland.
- bieolor*, Jakowloff, Trudi Rnsski Ent., ix, 1880, p. 219: Reuter, Hem. Gymn. Eur., iii, p. 460, 520.
 Hab. S. Russia, Sarcpta.
- bivitreus* (*Capsus*), Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 146: Reuter, Hem. Gymn. Eur., p. 152.
 ? = *variabilis*, Hahn, Wanz. Ins., ii, 1835, p. 137, t. 72, f. 224.
 Hab. S. France.
- carduellus*, Horvath, Rev. d' Ent., vii, 1888, p. 183.
 Hab. Dalmatia, Horzegovina.
- eallunae*, Reuter, Hem. Gymn. Eur., i, 1879, p. 122; iii, p. 521.
 Hab. S. France.

chrysopsilus, Reuter, *l. c.*, p. 112, 179; iii, p. 518, 519.

Hab. N. Hungary.

cognatus, Jakowleff, Bull. Mosc., lii (2), 1877, p. 298; Reuter, Hem. Gymn. Eur., i, p. 122, 179; iii, p. 521.

Hab. S. Russia, Saropta.

p convexus, Reuter, Pet. Nouv. Ent., i, 1875, p. 540.

Hab. Corsica.

corsicus, Puton, Pet. Nouv. Ent., i, No. 131, 1875, p. 522; Reuter, Hem. Gymn. Eur., i, p. 130; iii, p. 522.

Hab. Corsica.

criceoroides, Reuter, Ofvers. Finska Vet. Soc. Förh., xxi, 1879, p. 39; *id.*, Hem. Gymn. Eur., ii, p. 302; iii, p. 520.

Hab. S. France.

Crotchii, Scott, Stettin. Ent. Zeit., xxxi, 1860, p. 91; Walk., Cat. Het., vi, p. 153; Reut., Hem. Gymn. Eur., i, p. 149; iii, p. 464, 525.

Hab. Spain, S. France, Corsica.

cruentatus (*Capsus*), Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 131; Reuter, Hem. Gymn. Eur., i, p. 153.

Hab. France.

delicatus, Uhler, Ent. Amer., iii, 1887, p. 34; List, p. 20.

Hab. N. America.

dilutus (Meyer), Fieber, Crit. Phyt., 1859, sp. 28; Eur. Hem., p. 308; Walk., Cat. Het., vi, p. 152; Reut., Hem. Gymn. Eur., i, p. 136; iii, p. 525.

Hab. Switzerland.

diminutus (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 256 sp. 137, p. 330; Fieber (*Psallus*), Eur. Hem., p. 309; Walk., Cat. Het., vi, p. 153; Saund., Syn., p. 665; Reuter, Caps. Syn., p. 21, pt; Abo Hem., p. 182; *id.*, Rev. Caps., p. 190; Ent. Mon. Mag., xxii, p. 86; Hem. Gymn. Eur., i, p. 140, t. 6, f. 4; iii, p. 462, 523.

Hab. S. Scandinavia, Germany, S. Austria, Switzerland, France, Britain [*Atk.*, Lille].

Fallenii, Reuter, Hem. Gymn. Eur., iii, 1883, p. 462, 522.

roseus, Fabr., Syst. Rhyng., 1803, p. 238 (*nec* Gen. Ins., 1766, p. 300)?; Reuter, Hem. Gymn. Scan. & Fenn., p. 186, pt; Hem. Gymn. Eur., i, p. 131; Fallen, pt, Hem. Suec., p. 101; Zett., Ins. Lapp., p. 275; F. Sahlb., Goeck. Fenn., p. 107; Flor. Rhyn. Liv., i, p. 591; Thomson, Opusc. Ent., p. 447; Walk., Cat. Het., vi, p. 152; Saund., Syn., p. 305; Reuter, Rev. Caps., p. 186.

salicis, Fieber, Eur. Hem., 1861, p. 307; Dougl. & Scott, pt, Brit. Hem., p. 414; Walk., Cat. Het., vi, p. 152; Reuter, Hem. Gymn. Eur., t. 6, f. 7.

Hab. Nearly all Europe.

havosparsus, F. B. White, Proc. Zool. S. Lond., 1878, p. 468.

Hab. St. Helena.

graminicola (*Phytocoris*), Zetterstedt, Ins. Lapp., 1840, p. 275 ; F. Sahlb., Geoc. Fenn., p. 115 : Thomson, Opusc. Ent., iv, p. 446 : Reuter, Caps. Syn., p. 21 ; Abo Hem., p. 180 ; *id.*, Rev. Caps., p. 179 ; Hem. Gymn. Eur., i, p. 108, 176 ; iii, p. 518, 519.

Hab. Lapland, S. Finland.

guttulosus, Reuter, Caps. Amer., 1875, p. 89 : Uhler, List, p. 20.

Hab. Texas.

Henschii, Reuter, Rev. d' Ent., viii, 1888, p. 59.

Hab. Illyria.

Kirschbaumii, Fieber, Eur. Hem., 1861, p. 308 : Walk., Cat. Het., vi, p. 452 :

Reuter, Hem. Gymn. Eur., i, p. 154.

roseus, Kirschbaum, Rhyn. Wicsb., 1855.

Hab. Germany.

Kolenatii (*Capsus*), Flor, Rhyn. Liv., i, 1860, p. 585 : Fieber, Wien. Ent. Monats.,

viii, 1864, p. 230 : Walk., Cat. Het., vi, p. 156 : Reuter, Abo Hem., p. 178 ; Hem.

Gymn. Eur., i, p. 102, 176 ; iii, p. 517.

debilicornis (*Atractotomus*), Reuter, Rev. Caps., 1875, p. 174.

Hab. S. Scandinavia, Livonia, Hungary, Switzerland.

lapponicus, Reuter, Ofvers. Vet.-Aka. Förh., 1874, p. 47 ; *id.*, Rev. Caps., p. 188 ;

Hem. Gymn. Eur., i, p. 134 ; iii, p. 524.

quercus, Gredler, Nachlese Wanz. Tirols., p. 557.

varians, pt, Meyer, Rhyn. Schw., 1843, p. 69.

Hab. Lapland, Switzerland, France, Tyrol, Hungary.

larieis, Reuter, Bih. Vet.-Akad. Handl., iii (i), 1875, p. 48 ; *id.*, Hem. Gymn. Eur., i,

p. 113, t. 7, f. 6 ; iii, p. 460, 519.

roseri, var. *decolor*, Gredler, Nachlese Wanz. Tyrol, p. 557.

Hab. Switzerland, Tyrol, Hungary [*Atk.*, Canton Valais].

laticeps, Reuter, Hem. Gymn. Eur., i, 1879, p. 180 ; iii, p. 524.

Hab. Siberia, Yenisei.

lepidus, Fieber, Crit. Phyt., 1859, sp. 25 ; *id.*, Eur. Hem., p. 307 : Douglas & Scott,

Brit. Hem., p. 416 : Walk., Cat. Het., vi, p. 152 : Saund., Syn., p. 304 : Reuter,

Abo Hem., p. 178 ; *id.*, Rev. Caps., p. 184 ; Hem. Gymn. Eur., i, p. 127, t. 6, f. 8 ;

iii, p. 460, 522.

roseus, Herr. Schöff., Nomencl. Ent., i, 1835, p. 49 ; *id.*, Wanz. Ins., iii,

p. 7, t. 96, f. 287 ? ; *ib.*, vi, p. 46, t. 195, f. 604 : Meyer, Rhyn. Schw.,

p. 67, ? : Costa, Cim. Regn. Neap., Cent., iii, p. 268, ? .

salicis, Reuter, Hem. Gymn. Eur., i, p. 129 ; iii, p. 461 (*nec* Kirschb.).

Hab. S. Scandinavia, Britain, France, Switzerland, Austria, Moldavia, Caucasus [*Atk.*, France].

luridus, Reuter, Hem. Gymn. Eur., i, 1878, p. 133, t. 1, f. 18 *d* ; ii, p. 303 ; iii,

p. 524.

Rotermundi, Gredler, Nachlese Wanz. Tirols, l. c. *supra*.

Hab. France, Tyrol, Hungary.

luteicornis, Vuillefroy, Ent. Auct., 1789, p. 535 : Reuter, Rev. Syn. Het., p. 308.

Hab. France.

lutosus, F. B. White, Proc. Zool. S. Lond., 1878, p. 468.

Hab. St. Helena.

mollis (*Capsus*), Mulsant & Rey, Ann. Soc. Linn. Lyon., 1852, p. 141: Reut., Hom. Gymn. Eur., i, p. 139, iii, p. 462, 523.

convexus, Reut., Pet. Nouv. Ent., i, 1875, p. 540.

Hab. S. Franco, Corsica, Greece [*Atk.*, Genoa].

nebulosus, Reuter, Hem. Gymn. Eur., i, p. 142, t. 1, f. 18 l; iii, p. 524; Fedtsch. Turk., p. 34.

Hab. Turkistan.

obseurellus (*Phytocoris*), Fallen, Hem. Snee., 1829, p. 108: Zett., Ins. Lapp., p. 276: Thomson (*Phylus*), Opusc. Ent., iv, p. 446: Saund., Syn., p. 302: Reuter, Abo Hem., p. 180; *id.*, Caps. Syn., p. 22; Rev. Caps., p. 180; Hem. Gymn. Eur., i, p. 115, 179, t. 7, f. 2; iii, p. 518, 519.

! *Meyeri*, Fieber, Wien Ent. Monats., viii, 1864, p. 231: Walk., Cat. Het., vi, p. 156.

pini, Douglas & Scott, Brit. Hem., 1865, p. 436: Fieb., Wion. Ent. Monats., 1864, p. 224; Walk., Cat. Het., vi, p. 148.

pityophilus, Flor. Rhyn. Liv., i, 1860, p. 597.

Hab. Nearly all Europe, Britain [*Atk.*, Lille].

pallidus, Reuter, Ofvers. Finska Vet. Soc. Förh., xxii, 1880, p. 24; *id.*, Hem. Gymn. Eur., iii, p. 462, 523.

Hab. Pyrenees.

piccae, Reuter, Hom. Gymn. Eur., i, 1879, p. 135; iii, p. 524.

! *varians*, Meyer, pt. Stettin. Ent. Zeits., ii, 1841, p. 84; *id.*, Rhyn. Schw., p. 69: Herr. Schöff., Wanz. Ins., vi, p. 25, f. 603.

Hab. Switzerland.

pinicola, Reuter, Bih. Vet. Aka. Handl., iii (i), 1875, p. 51; *id.*, Hem. Gymn. Eur., i, p. 132, 179; iii, p. 462, 524.

roseus, Fieber, Eur. Hem., 1861, p. 308 (*nec* Fabr., Fall.).

Hab. France, Switzerland, Hungary [*Atk.*, Vosges, Franco].

puberulus, Montandon, Rev. d' Ent., vi, 1887, p. 68.

Hab. Herzegovina.

pumilus (*Agalliaestes*), Jakowleff, Bull. Mosc., li (3), 1876, p. 121; Reut., Hem. Gymn. Eur., i, p. 151; iii, p. 464, 525.

Hab. Spain, Hungary, S. Russia, Sarepta, Astrakhan, Caucasus.

puncticollis (*Liops*), Fieber, Verh. Zool. Bot. Ges. Wien, xx, 1870, p. 254, t. 6, f. 5: Walk., Cat. Het., vi, p. 149: Reut., Hem. Gymn. Eur., i, p. 124; iii, p. 460, 520.

Hab. Spain.

punctulatus (Fieber), Puton, Ann. Soc. Ent. Fr., (5 s.) iv, 1874, p. 220, t. 7, f. 4: Reuter, Hem. Gymn. Eur., i, p. 144; iii, p. 463, 523.

Hab. France, Austria, Greece.

quercus (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 253, sp. 130, p. 323, Fieb., Eur. Hem., p. 305: Dougl. & Scott, Brit. Hem., p. 409; Walk., Cat. Het., vi,

p. 150 : Saund., Syn., p. 303 : Reuter, Rev. Caps., p. 182 ; Hem. Gymn. Eur., i, p. 120, t. 7, f. 3 ; ii, p. 303 ; iii, p. 460, 521.

Hab. Britain, France, Spain, Italy, Gormany, S. Austria, Sweden [Atk., Lille, Genoa].

roseus (*Cimeæ*), Fabr., Gen. Ins., 1766, p. 300 ; *id.*, Spec. Ins., 1781, p. 370 : Mant. Ins., 1787, p. 304 ; Ent. Syst. Supp., 1798, p. 542 ? : Reuter, Hom. Gymn. Eur., iii, p. 463, 525 ; *id.*, Rev. Syn. Het., p. 307.

? *conspersus*, Gmelin, Syst. Nat., iv (i), 1788, p. 2167.

dilutus, Dougl. & Scott, Brit. Hem., 1865, p. 417.

? *haematodes*, Gmelin, Syst. Nat., iv (i), 1788, p. 2169.

haematopus, Turton, Syst. Nat., ii, 1806, p. 671.

? *pallescent*, Gmelin, Syst. Nat., iv (i), 1788, p. 2165.

? *rubellus*, Müller, Zool. Dan., 1776, p. 108.

sanguineus, Fabr. Ent. Sys., iv, 1794, p. 175 ; Syst. Rhyng., p. 306 : Latr., Hist. Nat., xii, p. 226 : Fallen, Mon. Cim., p. 89 ; *id.*, Hem. Suec., p. 102 : Meyor, Rhyn. Schw., p. 75 : F. Sahlb., Geoc. Fenn., p. 107 : Kirschb., Rhyn. Wiesb., p. 257, sp. 140 : Fieber, Crit., 33 ; *id.*, Eur. Hem., p. 306 : Flor, Rhyn. Liv., i, p. 588 : Dougl. & Scott, Brit. Hem., p. 413 : Walk., Cat. Het., vi, p. 151 : Saund., Syn., p. 304 : Reuter, Rev. Caps., p. 191.

var. *alni*, Fabr., Ent. Syst., iv, 1794, p. 175 ; Syst. Rhyng., p. 238 : Stål, Hem. Fabr., i, p. 88 : Thomson, Opusc. Ent., iv, p. 447 : Walk., Cat. Het., vi, p. 151 : Reuter, Hem. Gymn. Eur., i, p. 144 ; iii, p. 463.

querceti, Fallen, Mon. Cim. Supp., 1826, p. 15 ; *id.*, Hem. Suec., p. 49 : Herr. Schöff., Nomencl. Ent., i, p. 50 : Fieber, Eur. Hem., p. 306 : Dougl. & Scott, Brit. Hem., p. 412 : Walk., Cat. Het., vi, p. 151.

Hab. Nearly all Europe [Atk., Lillo].

salicis (*Capsus*), Kirschbaum, Rhyn. Wiesb., 1855, p. 257, sp. 139, p. 280, 334 (*nec* Fieb. Reut.) : Rout., Hem. Gymn. Eur., iii, p. 461, 526.

Hab. Germany.

salicellus (*Capsus*), Meyer, Rhyn. Schw., 1843, p. 74 : Herr. Schöff., Wanz. Ins. vi, 1842, p. 47, f. 605 : Flor, Rhyn. Liv., i, p. 590 : Fieb., Eur. Hem., p. 305 : Dougl. & Scott, Brit. Hem., p. 411 : Walk., Cat. Het., vi, p. 151 : Saund., Syn., p. 304 : Reuter, Hom. Gymn. Eur., i, p. 146 ; iii, p. 525.

irroratus, Mulsant & Rey, Ann. Soc. Linn., Lyon, 1852.

Hab. S. & Mid. Europe, Livonia.

Seholtzii (Meyer), Fieber, Eur. Hem., 1861, p. 306 : Walk., Cat. Het., vi, p. 151 : Router, Abo Hom., p. 177, 181 ; *id.*, Rev. Caps., p. 185 ; *id.*, Hem. Gymn. Eur., i, p. 125, t. 6, f. 9 ; iii, p. 522.

alnicola, pt, Reuter, Rev. Caps., p. 184, ♂.

? *signatipes*, Herr. Schöff., Nomencl. Ent., i, 1835, p. 49 : Puton, Cat., p. 60 : Reuter, Hem. Gymn. Eur., i, p. 125, 127.

Hab. Scandinavia, Gormany, Switzerland, Franco.

siculus, Reuter, Pot. Nouv. Ent., i, No. 135, 1875, p. 539 ; *id.*, Hom. Gymn. Eur., i, p. 113 ; iii, p. 518.

Hab. Sicily.

simillimus (*Capsus*), Kirschbaum, Rhyn. Wiosb., 1855, p. 253, sp. 131, p. 325 : Fieber, Eur. Hem., p. 305 : Walk., Cat. Het., vi, p. 151 : Saund., Syn., p. 303 :

Reuter, Abo Hem., p. 181; *id.*, Rev. Caps., p. 182; *id.*, Hem. Gymn. Eur., i, p. 119, 179, t. 8, f. 4; iii, p. 460, 521.

Hab. Middle & S. Europe.

variabilis (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 98: Hahn, Wanz. Ins., ii, p. 137, t. 72, f. 224, ♂, ♀: Zett., Ins. Lapp., p. 275: Costa, Cim. Regn. Neap., Cent., iii, p. 268: Meyer (*Capsus*), Rhyn. Schw., p. 68, t. 3, f. 4, ♀: F. Sahlb., Geoc. Fenn., p. 115: Kirschb., Rhyn. Wiesb., p. 253, sp. 129, p. 279: Flor, Rhyn. Liv., i, p. 592: Thomson, Opusc. Ent., iv, p. 447: Fieber (*Apocremnus*), Eur. Hem., p. 305: Dougl. & Scott, Brit. Hem., p. 408: Walk., Cat. Het., vi, p. 151: Saund. (*Psallus*), Syn., p. 302: Reuter, Abo Hem., p. 180; *id.*, Rev. Caps., p. 181; *id.*, Hem. Gymn. Eur., i, p. 116, t. 7, f. 5; ii, p. 303; iii, p. 520.

Ferrisii, Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 139.

salicis, Douglas & Scott, pt. Brit. Hem., 1865, p. 414.

var. *simillimus*, Douglas & Scott, l. c., p. 166.

Whitii, Douglas & Scott, Ent. Mon. Mag., v, 1869, p. 263: Walk., Cat. Het., vi, p. 153.

Hab. Nearly all Europe [*Atk.*, Lille, Genoa].

varians (*Capsus*), Herr. Schäff, Wanz. Ins., vi, 1842, p. 45, t. 195, f. 603 ♂: Meyor, Stettin. Ent. Zeit., ii, 1841, p. 84 ♀; Rhyn. Schw., p. 39, pt: Kirschb., Rhyn. Wiesb., p. 256 sp. 136: Fieber (*Psallus*), Eur. Hem., p. 309: Dougl. & Scott, Brit. Hem., p. 418, t. 13, f. 7: Walk., Cat. Het., vi, p. 153: Saund., Syn., p. 305: Router, Caps. Syn., p. 21; Abo Hem., p. 182; *id.*, Rev. Caps., p. 189; Hem. Gymn. Eur., i, p. 138, t. 1, f. 18 a-c, e; iii, p. 462, 523.

mutabilis, Thomson, Opusc. Ent., iv, 1871, p. 447 (*nec* Fallen).

rubricatus, Fallen, Hem. Suec., 1829, p. 100.

rufescens, Hahn, Wanz. Ins., i, 1831, p. 28, t. 4, f. 18.

var. *decoloratus*, Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 143: Reuter, Hem. Gymn. Eur., iii, p. 525.

„ *distinctus*, Fieber, Crit. Phyt., 1859, sp. 26; Eur. Hem., p. 309: Douglas & Scott, Brit. Hem., p. 419: Walk., Cat. Het., vi, p. 153.

„ *insignis*, Fieber, Crit. Phyt., 1859, 9, 27; Eur. Hem., p. 309.

„ *nigrescens*, Fieber, l. c. p. 309.

„ *ochraceus*, Fieber, l. c. p. 309.

Hab. Nearly all Europe [*Atk.*, Hyères].

vinaceus, F. B. White, Proc. Zool. S. Lond., 1878, p. 469.

Hab. St. Helena.

vitellinus (*Capsus*), Scholtz, Arb. u. Veränd. d. Schles. Ges., 1846, p. 26: Flor, Rhyn. Liv., i, p. 624: Fieb., Eur. Hem., p. 307: Walk., Cat. Het., vi, p. 152: Reuter, Hem. Gymn. Eur., i, p. 137, t. 1, f. 18 k; t. 7, f. 1; iii, p. 462, 525.

Hab. Denmark, Gormany, Switzerland, Tyrol, Franco.

Wollastonii, Reuter, Ent. Mon. Mag., xiii, 1876, p. 154: Hem. Gymn. Eur., i, p. 141; iii, p. 524.

Hab. Madeira.

Genus **EPISCOPUS.**

Reuter, Caps. Amer., 1875, p. 90.

ornatus, Renter, *l. c.*, p. 90 : Uhlor, List, p. 20.

Hab. Texas.

Genus **EURYSTYLUS.**

Stål, Ofvers. K. Vet.-Aka. Förh., 1870, p. 67.

costalis, Stål, *l. c.*, p. 671 : Walk., Cat. Het., vi, p. 124.

Hab. Philippines.

Genus **ATRACTOTOMUS.**

Fieber, Crit. Gen., 1859, 62, t. 6, f. 39 ; Eur. Hem., p. 71, 294, pt. Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 46 ; Hem. Gymn. Eur., i, 1879, p. 92, t. 1, f. 17 ; ii, p. 302 ; iii, p. 503.

albipennis, Renter, Pet. Nouv. Ent., ii, No. 144, 1876, p. 21 ; *id.*, Hom. Gymn. Eur., i, 1879, p. 94, t. 5, f. 4 ; iii, p. 514.

Hab. S. Russia, Sarepta.

egregius, Berg, Hem. Arg., Add. Emend., 1884, p. 95.

Hab. Buenos Ayres.

femoralis, Fieber, Eur. Hem., 1861, p. 295 : Walk., Cat. Het., vi, p. 147 : Reut., Hem. Gymn. Eur., i, 1879, p. 95, t. 5, f. 6 ; iii, p. 516.

Hab. Bohemia.

forticornis (*Capsus*), Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 148 : Reut., Hem. Gymn. Eur., i, 1879, p. 97, t. 1, f. 17 k ; iii, p. 516.

Hab. Franco.

magnicornis (*Capsus*), Fallen, Hem. Snec., 1828, p. 119 ; Zett., Ins. Lapp., p. 278 : F. Sahlb., Geoc. Fenn., p. 122 : Flor, Rhyn. Liv., i, p. 575 : Fieber, Eur. Hem., p. 296 : Walk., Cat. Het., vi, p. 147 : Reut., Hem. Gymn. Scan. & Fenn. p. 173 ; *id.*, Hom. Gymn. Eur., i, 1879, p. 100, t. 6, f. 2 ; *id.*, ii, p. 302 ; iii, p. 459, 516.

crinicornis (Klug), Burm. Handb. Ent., ii (i), 1835, p. 257.

? *planicornis*, Kolenati, Mel. Ent., ii, 1845, p. 126.

Hab. Nearly all Europe, England, Russia [*Atk.*, Pyrenees].

mali (*Capsus*), Meyer, Rhyn. Schw., 1843, p. 63, t. 2, f. 5 : Kirschb., Rhyn. Wiesb., p. 279, 345 : Fieber, Eur. Hem., p. 296 : Walk., Cat. Het., vi, p. 147 : Saund., Syn., p. 300 : Renter, Hem. Gymn. Eur., i, p. 98, t. 1, f. 17 b, m ; t. 5, f. 9 ; iii, p. 458, 515, 516.

magnicornis, Douglas & Scott, Brit. Hem., 1865, p. 435, t. 14, f. 4 : Walk., Cat. Het., vi, p. 147, pt.

pyri, Meyer, Stettin. Ent. Zeit., ii, 1841, p. 87.

Hab. Scandinavia, Britain, Middle & S. Europe.

morio, J. Sahlberg, Medd. Soc. pro. Fann. Fl. Fenn., ix, 1883, p. 94, 154 : Reuter, Hem. Gymn. Eur., iii, p. 458, 515 ; Ofvers. Finska Soc. Förh., xxvi, 1884, p. 26. ♀.

Hab. E. Finland.

nigritarsis, Jakowloff, Bull. Mosc., lvi (4), 1882, p. 370 : Reut., Hem. Gymn. Eur., iii, p. 459, 516.

Hab. Russia, Orenburg.

oculatus (*Capsus*), Kirsehbann, Rhyn. Wiesb., 1855, p. 250 sp. 123, p. 318: Fieb., Eur. Hem., p. 296: Walk., Cat. Het., vi, p. 147: Reuter, Hem. Gymn. Eur., i, 1879, p. 99, t. 6, f. 1; iii, p. 516.

albipes, Fieber, Crit. Phyt., 1859, sp. 18.

Hab. Germany, Switzerland, France [*Atk.*, Valenciennes].

parvulus, Reuter, Hem. Gymn. Eur., i, 1879, p. 95; iii, p. 458 ♂, 515, 516.

Hab. France.

Putonii, Reuter, Hem. Gymn. Eur., i, 1879, p. 175; iii, p. 459, 515; Berlin. Ent. Zeits., xxv, 1881, p. 183.

Hab. S. France.

Rhodani (Meyer), Fieber, Eur. Hem., 1861, p. 296: Walk., Cat. Het., vi, p. 147: Reuter, Hem. Gymn. Eur., i, p. 98, t. 1, f. 17 a; t. 5, f. 8; iii, p. 515.

Hab. Switzerland, France.

rufus, Fieber, Crit. Phyt., 1859, sp. 17; *id.*, Eur. Hem., p. 296: Walk., Cat. Het., vi, p. 147: Reuter, Hem. Gymn. Eur., i, p. 96, t. 5, f. 7; iii, p. 515.

Hab. Bohemia, France.

spissicornis (*Cimez*), Schrank, Fauna Boica, 1801, p. 88: Reuter, Rev. Syn. Het., p. 306.

Hab. Germany.

tigripes (*Capsus*), Mulsant & Rey, Ann. See. Linn. Lyen, 1852, p. 148: Fieber (*Atractotomus*), Eur. Hem., p. 295: Walk., Cat. Het., vi, p. 147: Reuter, Hem. Gymn. Eur., i, p. 94, t. 1, f. 17, g, h; t. 5, f. 5; *id.*, ii, p. 302; *id.*, iii, p. 457, 515.

magnicornis, Hahn, Wanz. Ins., i, p. 130, t. 20, f. 67 (*nec* Fallen)? : Meyer, Rhyn. Schw., p. 29, t. 2, f. 4: Kirsehb., Rhyn. Wiesb., p. 251 sp. 126, p. 278?.

Hab. France, Spain, Switzerland, Germany, Austria, Greece, S. Russia.

validicornis, Reuter, Pet. Nonv. Ent., ii, No. 144, 1876, p. 21; *id.*, Hem. Gymn. Eur., i, p. 96, t. 1, f. 17 i; iii, p. 516.

Hab. France.

vinaceus, F. B. White, Prec. Zeel. S. Lend., 1878, p. 467.

Hab. St. Helena.

Genus **EXCENTRICUS.**

Reuter, Hem. Gymn. Eur., i, 1879, p. 89, t. 1, f. 16; iii, p. 504.

Atractotomus, pt, Fieber, Eur. Hem., 1861, p. 71, 294.

oophorus, Horvath, Rev. d' Ent., vii, 1888, p. 184, t. 1, f. 10.

Hab. Asia Minor, Breussa.

punctipes (*Atractotomus*), Fieber, Wien. Ent. Monats., viii, 1864, p. 224: Walk., Cat. Het., vi, p. 147: Reuter, Hem. Gymn. Eur., i, p. 91, 175, t. 1, f. 16 a-c; t. 5, f. 2; *id.*, iii, p. 457, 514.

var. *pictipes*, Reuter, l. c. *supra*, i, p. 91.

Hab. S. Russia, Tauria, Sarcapta, Asia Minor.

singularis, Horvath, Rev. d' Ent., vii, 1888, p. 148, t. 1, f. 8.

Hab. Tauria.

Genus **RHINACLOA.**

Reuter, Caps. Amer., 1875, p. 88.

citri, Ashmead, Ent. Amer., iii, 1887, p. 155.

Hab. N. America, Florida.

forticornis, Reuter, Caps. Amer., 1875, p. 89: Uhler, List, p. 20.

Hab. Texas.

Genus **STRONGYLOTES.**

Reuter, Caps. Amer., 1875, p. 88.

saliens, Reuter, *l. c.*, p. 88: Uhler, List, p. 20.

Hab. Texas.

Genus **CRIOCORIS.**

Fieber, Crit. Gen. Phyt., 1859, 71; *id.*, Eur. Hem., p. 73, 301: Reuter (*Plagiognathus*, subg. *Criocoris*) Bih. Vet.-Aka. Handl., iii (i), 1875, p. 55; Rev. Caps., p. 193; Hem. Gymn. Eur., i, p. 84, t. I, f. 15; iii, p. 503.

Colpochilus, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 60.

apicalis (*Atractotomus*), Reuter, Bih. *l. c.*, *supra*, p. 46; Verh. Zool. Bot. Ges. Wien, 1876, p. 87, ♂; Hem. Gymn. Eur., i, p. 87, t. I, f. 15 b; iii, p. 513.

Hab. Austria.

ater, Jakowleff, Trudi Rusk. Ent., xiii, 1882, p. 174, ♀: Reuter, Hem. Gymn. Eur., iii, p. 457, 514.

Hab. S. Russ., Sarepta.

crassicornis (*Phytocoris*), Hahn, Wanz. Ins., ii, 1834, p. 90, t. 57, f. 176, ♂: Herr. Schöff., *l. c.*, iii, p. 85, t. 101, f. 308, ♀: Kirschb., Rhyn. Wiesb., p. 251, sp. 124, p. 345? : Meyer, Rhyn. Schw., p. 66: Flor. Rhyn. Liv., i, p. 579: Fieber, Eur. Hem., p. 302: Walk., Cat. Het., vi, p. 149: Reuter, Hem. Gymn. Eur., i, p. 88; iii, p. 513, 514.

tenuicornis (*Colpochilus*), Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 60.

terminalis, Horr. Schöff., Nomencl. Ent., i, 1835, p. 87.

Hab. France, Germany, Italy, S. Russia, Livonia.

fuscipennis, Jakowleff, Trudi, Rusk. Ent., xiii, 1882, p. 173: Reuter, Hem. Gymn. Eur., iii, p. 456, 514.

Hab. S. Russia, Sarepta.

longicornis, Reuter, Hem. Gymn. Eur., iii, 1883, p. 455, 513.

Hab. Hungary.

nigripes, Fieber, Eur. Hem., 1861, p. 394: Walk., Cat. Het., vi, p. 147, 149: Reuter, Hem. Gymn. Eur., i, p. 85, t. 4, f. 9; iii, pp. 455, 513.

? = *tarsalis*, Reuter, ♂, *q. v.*

Hab. Hungary, Galicia, Alsace.

quadrimaculatus (*Capsus*), Fallen, Hom. Succ., 1828, p. 119: F. Sahlb., Geec. Fenn. p. 122: Fler, Rhyn., Liv., i, p. 580: Reuter, Rev. Caps., p. 193: *id.*, Hem. Gymn. Eur., i, p. 87; ii, p. 301; iii, p. 456, 513, 514.

Hab. N. France, Scandinavia, Siberia, S. Russia, Livonia, Karelia.

- sulcicornis* (*Capsus*), Kirschbaum, Rhyu. Wiesb., 1855, p. 251, sp. 125, p. 320, 345 :
 ? Fieb. Eur. Hem., p. 295 : Walk., Cat. Het., vi, p. 146 : Reuter Hem. Gymn.
 Eur., ii, p. 301, 302, iii, p. 514.
moestus, Reut., Pet. Nouv. Ent., ii, No. 144, 1876, p. 22; *id.*, Hem. Gymn.
 Eur., i, p. 89 ♀; ii, p. 301.
sulcicornis (*Actratotomus*), Reuter, l. c., p. 93, t. 1, f. 17e, f; t. 5, f. 3 *deletur* :
vide, ib., p. 302.
 Hab. France, Hungary.
- tarsalis*, Reuter, Hem. Gymn. Eur., i, 1879, p. 85, 175; iii, pp. 455, 513, 514.
 ? = *nigripes*, Fieber, ♀, q. v : Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 183.
 Hab. Vienna, Styria.
- tibialis*, Fieber, Wien Ent. Monats., viii, 1864, p. 227 : Walk., Cat. Het., vi, p. 149
 Reuter, Hem. Gymn. Eur., i, p. 86, t. 5, f. 1; iii, p. 514.
 Hab. S. France.

Genus **PLAGIOGNATHUS.**

- Fieber, Crit. Gen. Phyt., 1859, g. 72; Eur. Hem., p. 73, 302 : Reuter, Bih. Vet.-Aka.
 Handl., iii (i), p. 54; Hem. Gymn. Scan. & Fenn., p. 192, pt; Hem. Gymn. Eur.,
 i, p. 71, 175, t. 1, f. 14; iii, p. 503.
- albipennis* (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 107 : Hahn, Wanz. Ins., ii
 p. 91, t. 57, f. 177 : Meyer, Rhyn. Schw., p. 79 : Kirschb., Rhyn. Wiesb., p. 252,
 sp. 127 : Flor, Rhyn. Liv., i, p. 598 : Fieber (*Agalliastes*), Eur., Hem., p. 311 :
 Walk., Cat. Het., vi, p. 154 : Ferrari, Ann. Mus. Civ. Gen., vi, 1874, p. 187, ♀ :
 Saund., Syn., p. 306 ? : Reuter, Rev. Caps., p. 198 : *id.*, Hem. Gymn. Eur., i, p. 80,
 175, t. 4, f. 8, var; iii, p. 454, 512.
artemisiae, Becker, Bull. Moso., xxxvii (i), 1864, p. 487 : Reut., Hem. Gymn.
 Eur., i, p. 173; iii, p. 466.
lanuginosus, Jak., Bull. Mosc., xlix (2), 1876, p. 28.
pallidulus, Dahlb., Svenska Vet.-Aka. Handl., 1850, p. 211.
tibialis, Fieber, Wien Ent. Monats., viii, 1864, p. 228 : Walk., Cat. Het., vi,
 p. 156.
 Hab. Nearly all Europe, Siberia, S. Russia, Caucasus [*Atk.*, Calais, Hungary].
- alpinus*, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 56; *id.*, Verh. Zool. Bot. Ges.
 Wieu, 1876, p. 88; Hem. Gymn. Eur., i, p. 72; ii, p. 300; iii, p. 450, 511.
viridulus, Gredler, Rhynoh. Tirol., p. 98.
 Hab. France, Alsace, Austria, Greece, Turkistan.
- amurensis*, Reuter, Hem. Gymn. Eur., iii, 1883, p. 454, 513 : Ferr., Ann. Mus. Civ.,
 Gen., (2 s.) i, 1884, p. 454.
 Hab. America.
- ? *annulicornis*, Reuter, Hem. Gymn. Eur., ii, 1880, p. 298; iii, p. 511; Fodtsch.
 Turk., p. 34.
 Hab. Turkistan, Kizilkum.
- arbutorum* (*Lygaeus*), Fabr., Ent. Syst., iv, 1794, p. 175; *id.*, Syst. Rhyng., p. 238 :
 Latreille, Hist. Nat., xii, p. 225 : Fallen, Mon. Cim., p. 90; *id.*, Hem. Suec.,
 p. 104 : Zett., Fauna Lapp., p. 493; *id.*, Ins. Lapp., p. 275 : Herr. Schöff., No-

- mencl. Ent., i, p. 53; Wanz. Ins., iii, p. 80, t. 99, f. 300: Meyer, Rhyn. Schw., p. 64: Kolenati, Mel. Ent., ii, p. 86; F. Sahlb., Geoc. Fenn., p. 115: Kirschb., Rhyn. Wiesb., p. 259 sp. 145: Fieber (*Plagiognathus*), Crit., 1859, 32; *id.*, Eur. Hem., p. 302: Flor, Rhyn. Liv., i, p. 602: Dougl. & Scott, Brit. Hem., p. 402, t. 13, f. 5: Thomson, Opnsc. Ent., p. 448: Walk., Cat. Het., vi, p. 149: Saund., Syn., p. 307: Renter, Caps. Syn., p. 19; *id.*, Rev. Caps., p. 197; Hem. Gymn. Eur., i, p. 78; iii, p. 452, 512; Rev. Syn. Het., p. 305, 396.
 ♀ *betuleti*, Hahn, Wanz. Ins., ii, 1834, p. 138, t. 72, f. 222.
 ♀ *chloromelas*, Gmelin, Syst. Nat., iv, 1788, p. 2185.
fulvipennis, Reuter, Hem. Gymn. Scan. & Fenn., p. 197 (*nec* Kirschb.).
 ♀ *pes variegatus*, Goeze, Ent. Beytr., ii, 1778, p. 268.
 ♀ *plessaeus*, Geoffroy in Fourcroy, Ent. Paris., 1785, p. 211.
 var. *brunnipennis*, Meyer, Rhyn. Schw., 1843, p. 66, t. 3, f. 3: Costa, Cim. Regn. Neap., Cent. iii, p. 42: Kirschb., Rhyn. Wiesb., p. 259, sp. 144.
 „ *hortensis*, Meyer, l. c. *supra*, p. 65, t. 3, f. 2: Costa, l. c. *supra*, p. 42: Kirschb., Rhyn. Wiesb., p. 260, sp. 146.
 „ *lugubris*, Hahn, Wanz. Ins., ii, 1834, p. 138, t. 72, f. 225.
 Hab. All Europe [*Atk.*, Lille].
- bipunctatus* (Jakowleff), Renter, Hem. Gymn. Enr., iii, 1883, p. 451, 511.
 Hab. Austria, Hungary, Caucasus.
- ♀ *breviceps*, Renter, Hem. Gymn. Eur., i, 1879, p. 82; iii, p. 513; Fedtsch. Tur., p. 34.
 Hab. Turkistán, Alai.
- chrysanthemi* (*Lygaeus*), Wolff, Io. Cim., iv, 1804, p. 157, t. 15, f. 151: Reuter, Hem. Gymn. Eur., iii, p. 452, 511; *id.*, Rev. Syn. Het., p. 303.
 ♀ *femoralis*, Geoffroy in Fourcroy, Ent. Paris., 1785, p. 204.
 ♀ *femorepunctatus*, Goeze, Ent. Beytr., ii, 1778, p. 266.
 ♀ *viridescens*, Gmelin, Syst. Nat., iv, 1788, p. 2184.
viridulus (*Lygaeus*), Fallen, Mon. Cim., p. 90; *id.*, Hem. Suec., p. 105: Herr. Schöff., Nomencl. Ent., i, p. 50: Meyer, Rhyn. Schw., p. 77: Kolenati, Mel. Ent., ii, p. 124: F. Sahlb., Geoc. Fenn., p. 103: Costa, Cim. Regn. Neap. Cent., iii, p. 43: Kirschb., Rhyn. Wiesb., p. 258 sp. 142: Fieber (*Plagiognathus*), Crit., 32; *id.*, Enr. Hem., p. 303: Flor, Rhyn. Liv., i, p. 595: Dougl. & Scott, Brit. Hem., p. 401: Thomson, Opnso. Ent., p. 448: Walk., Cat. Het., vi, p. 150: Saund., Syn., p. 307: Reuter, Rev. Caps. p. 196; *id.*, Hem. Gymn. Eur., i, p. 74, 175, t. 4, f. 5, 6.
 Hab. All Europe [*Atk.*, Lille].
- cunctator*, Horvath, Rev. d' Ent., vi, 1887, p. 73.
 Hab. Illyria.
- flavipes*, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 57; *id.*, Hem. Gymn. Enr., i, p. 79; ii, p. 300; iii, p. 454, 512.
 Hab. Corsica, Sardinia, Greece.
- fulvipennis* (*Capsus*), Kirschbanm, Rhyn. Wiesb., 1855, p. 259, sp. 144, p. 336: Fieb., Enr. Hem., p. 303; Walk., Cat. Het., vi, p. 150: Reuter, Hem. Gymn. Eur., i, p. 76, t. 4, f. 7; ii, p. 300; iii, p. 452, 512.
 Hab. France, Spain, Italy, Switzerland, Germany, Hungary, Greece, Caucasus.

- fusciloris*, Reuter, Hem. Gymn. Eur., i, 1879, p. 73; ii, p. 300; iii, p. 450, 512.
 Hab. France, Spain, Hungary.
- grandis*, Reuter, Caps. Amer., 1875, p. 91; Uhler, List, p. 21.
 Hab. Texas.
- obscuriceps*, Stål, Stettin. Ent. Zeit., xix, 1858, p. 190, ♀: Walk., Cat. Het., vi, p. 159; Reut., Hem. Gymn. Eur., i, p. 76; iii, p. 512.
 Hab. Siboria, Irkutsk.
- obscurus*, Uhler, Hayden Surv. Mont., 1872, p. 418; Bnll. Un. St. Surv., iii, 1877, p. 422; Proc. Bost. Soc. N. H., 1878, p. 409; *id.*, List, p. 21.
 Hab. United States, Canada, British Columbia [Atk., Florida].
- olivaceus*, Reuter, Ofvers. Finska Vet. Soc. Förh., xxii, 1880, p. 23; *id.*, Anal. Soc. Esp. Hist. Nat., ix, p. 193; *id.*, Hem. Gymn. Eur., iii, p. 453, 512.
 Hab. Spain.
- pictus* (*Macrocoleus*), Fieber, Wien. Ent. Monats., viii, 1864, p. 333; Walk., Cat. Het., vi, p. 143; Reut., Hem. Gymn. Eur., ii, p. 299; iii, p. 450, 511.
puncticeps, Reuter, Pet. Nouv. Ent., ii, No. 144, 1876, p. 22.
 Hab. S. Europe, Hungary, S. Russia.
- plagiatus*, Reuter, Pet. Nouv. Ent., ii, No. 152, 1876, p. 54; *id.*, Hem. Gymn. Eur., i, p. 77; ii, p. 300; iii, p. 512.
 Hab. N. Italy, Caucasus.
- Retowskii*, Reuter, C. R. Ent. Belg., 1885, p. xlviii.
 Hab. Tauria.
- rubricans*, Provancher, Faune Can. Hem., 1887, p. 154.
 Hab. Canada.
- rufinervis*, Jakowleff, Trudi Rusk. Ent., xi, 1880, p. 218; Reut., Hem. Gymn. Eur., iii, p. 452, 513.
 Hab. S. Russia, Sarepta.
- spilotus*, Fieber, Crit. Phyt., 1859, sp. 23; *id.*, Eur. Hom., p. 304; Walk., Cat. Het., vi, p. 150; Reut., Hem. Gymn. Eur., i, p. 71, t. 4, f. 4; iii, p. 450, 511.
 Hab. S. France, Corsica, Algeria.

Genus **AGRAMETRA.**

- F. B. White, Proc. Zool. S. London, 1878, p. 467.
aethiops, White, l. c., p. 468, t. 31, f. 2.
 Hab. St. Helena.

Genus **UTOPNIA.**

- Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 185; Zool. Jahr., Arthr., 1881, p. 274; Hem. Gymn. Eur., iii, 1883, p. 449, 502.
torquata (*Macrotylus*), Pnton, MT. Schw. Ent. Ges., vi, 1881, p. 126; Reuter, Berlin. Ent. Zeits., xxv, 1881, p. 184; *id.*, Hem. Gymn. Eur., iii, p. 450, 511.
 Hab. Syria, Broussa.

Genus **MALACOTES.**

Reuter, Hem. Gymn. Eur., i, 1879, p. 69, t. 1, f. 13; iii, p. 502.

Mulsantii, Reuter, Hem. Gymn. Eur., i, p. 70, 175, t. 1, f. 13; iii, p. 448, 510:
Rev. d' Ent., i, 1882, p. 136, ♂.

Hab. S. France.

Genus **ATOMOSCELIS.**

Reuter, Hem. Gymn. Eur., i, 1879, p. 67, t. 1, f. 12; ii, p. 298; iii, p. 502.

Agalliastes, pt, Fieber, Eur. Hem., 1861, p. 310.

Atomoscelis, pt, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 57.

brevicornis, Reuter, Ofvers. Finska, Vet. Soc. Förh., xxi, 1879, p. 39; *id.*, Hem. Gymn. Eur., ii, 1880, p. 298; iii, p. 510.

Hab. S. Russia, Astrakhan.

onustus (*Agalliastes*), Fieber, Eur. Hem., 1861, p. 312: Walk., Cat. Het., vi, p. 155: Reut., Hem. Gymn. Eur., i, p. 68, 175, t. 4, f. 3; iii, p. 448, 510; Fedtseh. Turk., p. 35.

Hab. Spain, S. France, Austria, S. Russia, Greece, Caucasus, Tunis [*Atk.*, Spain].

punctatus (*Agalliastes*), Fieber, Eur. Hem., 1861, p. 311; Walk., Cat. Het., vi, p. 155: Reut., Hem. Gymn. Eur., i, p. 171, t. 8, f. 8; Puten, Cat., 1886, p. 62.

Hab. Spain.

seriatus, Reuter, Caps. Amer. 1875, p. 91: Uhler, List, p. 21.

Hab. Texas.

Genus **SPANAGONICUS.**

Berg, Hem. Arg. Add. Emend., 1884, p. 94.

provincialis, Berg, l. c., p. 95.

Hab. Buenos Ayres.

Genus **CHLAMYDATUS.**

Curtis, Brit. Hem., xv, 1838, p. 693: Reuter, Rev. d' Ent., v, 1886, p. 122.

Agalliastes, pt, Fieber, Crit. Gen., 1859, 76; Eur. Hem., p. 74, 310: Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 59; Rev. Caps., p. 202; Hem. Gymn. Eur., i, p. 60; iii, p. 501.

Astemma, pt, Am. & Serville, Ins. Hém., 1843, p. 284.

argentinus, Berg, Hem. Arg., Add. Emend., 1884, p. 93.

Hab. Buenos Ayres.

associatus, Uhler, Hayden, Mont. Surv., 1872, p. 419; *id.*, Bull. Un. St. Surv., ii, 1876, p. 319.

Hab. Utah.

evanescens (*Pachystoma*), Bohem., Ofvers. Vet.-Aka. Förh., ix, 1852, p. 70: Kirschb., Rhyu. Wiesb., p. 263 sp. 154: Fieber, Eur. Hem., p. 310; *id.*, Wieu. Ent.

- Monats., viii, 1864, p. 229: Walk., Cat. Het., vi, p. 154: Reuter., Rev. Caps., p. 206; Hem. Gymn. Eur., i, p. 66, 175, t. 3, f. 9; ii, p. 298; iii, p. 510.
 Hab. Nearly all Europe to S. Scandinavia [Atk., Dunkirk].
- luctuosus, Provancher, Faune Can. Hem., 1887, p. 137.
 Hab. Canada.
- pulicarius (*Phytocoris*), Fallen, Mon. Cim., 1807, p. 95; *id.*, Hem. Suec., p. 113: Hahn (*Attus*), Wanz. Ins., i, p. 117, t. 18, f. 62: Burm., Handb. Ent., ii (i), p. 227: Meyer (*Capsus*), Rhyn. Schw., p. 110: F. Sahlb., Geoc. Fenn., p. 119: Kirschb., Rhyn. Wiesb., p. 261 sp. 149: Flor, Rhyn. Liv., i, p. 600: Fieber (*Agalliastes*), Eur. Hem., p. 312, 427; *id.*, Wien. Ent. Monats., viii, 1864, p. 229: Dougl. & Scott, Brit. Hem., p. 427, t. 14, f. 1: Walk., Cat. Het., vi, p. 155: Saund., Syn., p. 308: Reuter, Rev. Caps., p. 202; Hem. Gymn. Eur., i, p. 60, t. 3, f. 8; iii, p. 510.
 ? *pallipes*, Jakowleff, Horae Soc. Ent. Ross., iv, 1867, p. 158: Walk., Cat. Het., vi, p. 156.
saliens, Wolff, Ic. Cim., 1811, p. 200, t. 20, f. 194.
 Hab. All Europe.
- pullus, Reuter, Not. Skpts Faun. Fl. Fenn., Förh., xi, 1871, p. 224: *id.*, Rev. Caps., p. 202; Hem. Gymn. Eur., i, p. 61; ii, p. 297; iii, p. 448, 510; Fedtsch. Turk., p. 37.
 Hab. S. Scandinavia, Lapland, Carinthia, N. France, S. Russia, Turkistan, Siberia [Atk., Dunkirk].
- saltitans (*Phytocoris*), Fallen, Hem. Suec., 1829, p. 114: Burm. (*Halticus*), Handb. Ent., ii, p. 298: Am. & Serv. (*Astemma*), Ins. Hém., p. 284: F. Sahlb., Geoc. Fenn., p. 119: Kirschb., Rhyn., Wiesb., p. 263 sp. 153: Flor, Rhyn. Liv., i, 603: Fieb., Eur. Hem., p. 311: Dougl. & Scott, Brit. Hem., p. 428: Walk. Cat. Het., vi, p. 154: Saund., Syn., p. 308: Reuter, Rev. Caps., p. 204; Hem. Gymn. Eur., i, p. 64; iii, p. 510.
marginatus, Curtis, Brit. Hem., xv, 1838, p. 693.
 Hab. Nearly all Europe [Atk., France].
- signatus, J. Sahlberg, Not. Skpts pro Faun. Fl. Fenn., Förh., ix, 1867, p. 228: Reuter, Caps. Syn., p. 23; *id.*, Rev. Caps., p. 203; Hem. Gymn. Eur., i, p. 62; iii, p. 510.
opacus (*Capsus*), Zett., Ins. Lapp., 1840, p. 279, ♀: Thomson, Opusc. Ent., iv, 1871, p. 450.
 Hab. Lapland.
- suavis, Reuter, Caps. Amer., 1872, p. 92: Uhler, List, p. 21.
 Hab. Texas.
- ? vittatus (*Agalliastes*), Fieber, Eur. Hem., 1861, p. 312; Walk., Cat. Het., vi, p. 155: Reut., Hem. Gymn. Eur., i, p. 172, t. 8, f. 9.
 Hab. Lower Austria.
- Wilkinsonii (*Agalliastes*), Douglas & Scott, Ent. Men. Mag., ii, 1866, p. 273 (*form brach.*): Walk., Cat. Het., vi, p. 155: Saund., Syn., p. 309: Reuter, Ent. Mon. Mag., xiii, 1876, p. 87 (*form macr.*); *id.*, Rev. Caps., p. 205; Hem. Gymn. Eur., i, p. 65, 175, t. 4, f. 1, 2; ii, p. 298; iii, p. 448, 510: J. Sahlb., Vet.-Aka. Handl., xvi (4), 1878, p. 30.
 Hab. Britain, Lapland, France.

Genus **ORECTODERUS.**

Uhler, Bnll. Un. St. Surv., iii, 1877, p. 426; *id.*, List, p. 20.

amoenus, Uhler, *l. c.*, iii, 1877, p. 426: *id.*, List, p. 20.

Hab. Colorado, New Mexico, Texas, Illinois.

obliquus, Uhler, *l. c. supra*, ii, 1876, p. 320; List, p. 20.

Hab. New Mexico, Texas.

Genus **NEOCORIS.**

Douglas & Scott, Brit. Hem., 1865, p. 424: Renter, (*Plagiognathus* subg. *Neocoris*), Rev. Caps., p. 200; *id.*, Hem. Gymn. Eur., i, p. 55, t. 1, f. 10; iii, p. 502.

Agallistastes, pt, Fieber, Enr. Hem., 1861, p. 74, 310.

Microsynamma, Fieber, Wion Ent. Monats., viii, 1864, p. 74, t. 1, f. 6.

Monosynamma, Scott, Ent. Ann., 1864, p. 160.

Plagiognathus, pt, Fieber, *l. c.*, p. 302.

basalis, Renter, Hem. Gymn. Eur., i, 1879, p. 59; iii, p. 509; Fedtsch. Turk., p. 36.

Hab. Turkistan.

Bohemanii (*Phytocoris*), Fallen, Hem. Snec., 1829, p. 106: Zett., Ins. Lapp., p. 276: Flor, Rhyn. Liv., i, p. 625: Fieber (*Plagiognathus*), Enr. Hem., p. 303: Dougl. & Scott (*Neocoris*), Brit. Hem., p. 424, t. 13, f. 9: Walk, Cat. Het., vi, p. 150: Saund., Syn., p. 307: Reuter, Rev. Caps., p. 200: Hem. Gymn. Eur., i, p. 57; ii, p. 303; iii, p. 509.

furcatus, Herr. Schöff., Wanz. Ins., iv, 1839, p. 79, t. 132, f. 408, 409 (♂ ♀): Meyer, Rhyn. Schw., p. 70: Kirschb., Rhyn. Wiesb., p. 255, sp. 134.

var. *rubronotatus*, Jak., Bnll. Mosc., li, 1876, p. 119; Renter, Hem. Gymn. Eur., i, p. 154; ii, p. 303.

„ *ruficollis*, Fallen, Hem. Snec., 1829, p. 107, ♀.

Hab. Nearly all Enrope, S. Russia, Siberia [*Atk.*, Lille].

nigritulus (*Phytocoris*), Zetterstedt. Ins. Lapp., 1840, p. 276, 31: Flor, Rhyn. Liv., i, p. 599: Fieber (*Agallistastes*), Wion Ent. Monats., viii, 1864, p. 230: Walk., Cat. Het., vi, p. 156: Renter, Rev. Caps., p. 201; *id.*, Hem. Gymn. Eur., i, p. 56, t. 3, f. 7; iii, p. 509: Saund., Syn., p. 308.

pulicarius, var. 1, F. Sahlberg, Geoc. Fenn., 1848, p. 119.

var. *Putonii*, Renter, Bih. Vet.-Aka. Handl., 1875, p. 59 (*nec* Fieb.).

„ *scutii* (*Microsynamma*), Fieber, Wion Ent. Monats., viii, 1864, p. 75, t. 1, f. 6: (*Monosynamma*) Scott, Ent. Ann., 1864, p. 160, f. 5: Dougl. & Scott, (*Neocoris*), Brit. Hem., p. 425: Walk., Cat. Het., vi, p. 133.

Hab. Scandinavia, Livonia, Franco, Britain [*Atk.*, Dunkirk].

Genus **CAMPYLOMMA.**

Renter, Hem. Gymn. Eur., i, 1879, p. 52, t. 1, f. 9; iii, p. 501.

Agallistastes, pt, Fieber, Eur. Hem., 1861, p. 74, 310.

Atomoscelis, pt, Renter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 57.

- annulicornis* (*Litocoris* ?), Signeret, Ann. Soc. Ent. Fr., (4 s.) v, 1865, p. 126 : Reuter, Berlin. Ent. Zeits., xxv, p. 184 ; Hem. Gymn. Eur., iii, p. 447, 509.
lucida, Jakewleff, Trndi Russki Ent., ix (3), 1876, p. 228, ♀ ; Reuter, Hem. Gymn. Eur., i, p. 54 ; ii, p. 296.
viridula, Jakewleff, Bull. Mosc., lv (i), 1880, p. 143.
 Hab. France, S. Russia, Caucasus, Turkistan.
- diversicornis*, Reuter, Hem. Gymn. Eur., i, 1879, p. 55 ; iii, p. 509, Fedtsch. Turk., p. 37.
 Hab. Turkistan.
- livida*, Reuter, Ent. Tijds, v, 1884, p. 199.
 Hab. Bengal.
- Nicolasii*, Pnton & Reut., Rev. d' Ent., ii, 1883, p. 251 : Reut., Hem. Gymn. Eur., iii, p. 446, 509.
 Hab. S. France.
- nigrenasuta*, Reuter, Hem. Gymn. Eur., i, p. 53 ; iii, p. 509 ; Fedtsch. Turk., p. 36.
 Hab. Turkistan.
- Oertzenii*, Reuter, Rev. d' Ent., viii, 1888, p. 228.
 Hab. Greece, Attica.
- simillima*, Jakewleff, Trndi Russk. Ent., xiii (2), 1882, p. 129 : Reut., Hem. Gymn. Eur., iii, p. 447, 509.
 Hab. Caucasus, Petrovsk.
- verbasci* (*Capsus*), Meyer, Rhyn. Schw., 1843, p. 70, t. 4, f. 1 : Kirschb., Rhyn. Wiesb., p. 258, sp. 141 : Fieber (*Agalliastes*), Eur. Hem., p. 311 : Walk., Cat. Het., vi, p. 155 : Uhler, List, p. 21 : Reuter, Hem. Gymn. Eur., i, p. 53, 175, t. 3, f. 6 ; ii, p. 296 ; iii, p. 477, 509 ; Fedtsch. Turk., p. 37.
pellucidus, Garbigl., Bull. Soc. Ent. Ital., 1869, p. 190.
 ? *punctipes*, Herr. Schöff., Nomencl. Ent., i, 1835, p. 50.
 Hab. S. & Middle Europe : Turkistan : E. United States [*Atk.*, Hungary].
- zizyphi*, Pnton & Reut., Expl. Scient. Tunisie, 1886, p. 20.
 Hab. Tunis.

Genus **STHENARUS.**

- Fieber, Crit. Gen. Phyt., 1859, 75 ; *id.*, Eur. Hem., p. 74, 309 : Reuter (*Plagiognathus* snbg. *Sthenarus*), Rev. Caps., p. 194 ; Hem. Gymn. Eur., i, p. 42, t. 1, f. 8 ; iii, p. 502.
Agalliastes, pt, Fieber, Eur. Hem., 1861, p. 74, 310.
Criocoris, pt, Reuter, Rev. Caps., p. 194.
Phoenicocoris, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 55 ; Rev. Caps., p. 195.
- carbenarius*, Hervath, Rev. d' Ent., vii, 1888, p. 185.
 Hab. Reumania.
- dissimilis*, Reuter, Hem. Gymn. Eur., i, 1879, p. 174 ; iii, p. 445, 508.
 Hab. France, Hungary.

maculipes, Reuter, *l. c.*, i, p. 46; iii, p. 446, 508.

Hab. France, Austria, Vienna, Greece.

modestus (*Capsus*), Meyer, Rhyn. Schw., 1843, p. 40, t. 3, f. 5: Walk., Cat. Het. vi, p. 154: Fieber, Eur. Hem., p. 312: Reuter (*Phoenicocoris*), Hem. Gymn. Scan. & Feun., p. 195, pt.; *id.*, Hem. Gymn. Eur., i, p. 43; iii, p. 445, 508.

atropurpureus, Kirschb., Rhyn. Wiesb., 1855, p. 262 sp. 150, p. 338.

gracilicornis, Scheltz, Arb. u. Veränd. d. Schles. Ges., 1846, p. 106.

Hab. Scandinavia, Russia, Herzegovina, Germany, Switzerland, France.

nigripilis, Reuter, Rev. d' Ent., viii, 1888, p. 228, ♀.

Hab. Greece.

ochraceus (*Agallinastes*), Scott, Ent. Men. Mag., viii, 1872, p. 243 ♀: Reuter, Hem. Gymn. Eur., i, p. 49, t. 2, f. 9; iii, p. 446, 508.

fulvus, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 54, ♂.

Hab. S. France, Corsica, Spain.

ocularis, Mulsant & Rey, Ann. Sec. Linn. Lyon., 1852, p. 144: Reut., Hem. Gymn. Eur., i, p. 45; iii, p. 446, 508.

major, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 55.

Hab. W. & S. France, Spain.

pubescens (*Phoenicocoris*), Reuter, Caps. Amer., 1875, p. 90: Uhler, List, p. 21.

Hab. Texas.

pusillus, Reuter, Hem. Gymn. Eur., i, 1879, p. 44; iii, p. 508.

Hab. Naples.

Roseri (*Capsus*), Herr. Schöff., Wanz. Ius., iv, 1839, p. 78, t. 132, f. 407, ♀: Meyer, Rhyn. Schw., p. 105: Kirschb., Rhyn. Wiesb., p. 247 sp. 115 (♂, ♀): Fler, Rhyn. Liv., i, p. 560: Thomson, Opusc. Ent., iv, p. 449: Fieber (*Sthenarus*), Eur. Hem., p. 309: Walk., Cat. Het., vi, p. 154: Saund., Syn., p. 307: Reuter, Rev. Caps. p. 194; *id.*, Hem. Gymn. Eur., i, p. 47; iii, p. 446, 508.

geniculatus, Stål, Ofvers, Vet.-Aka. Förh., xv, 1858, p. 355 ♂.

var. *saliceticola*, Stål, *l. c.*, p. 355, ♀.

„ *vittatus*, Fieber, Eur. Hem. 1861, p. 310: Walk., Cat. Het., vi, p. 154.

Hab. Scandinavia, Germany, Austria, Tyrol, Switzerland, France, Greece, S.

Russia [*Atk.*, Lille].

Retermundii (*Capsus*), Scheltz, Arb. u. Veränd. d. Schles. Ges., 1846, p. 131, sp. 42:

Fler, Rhyn. Liv., i, p. 594: Fieber (*Sthenarus*), Eur. Hem., p. 310: Deugl. &

Scott, Brit. Hem., p. 422: Walk., Cat. Het., vi, p. 154: Saund., Syn., p. 303:

Reuter, Hem. Gymn. Eur., i, p. 50, t. 3, f. 1; iii, p. 446, 508.

Hab. Russia, Cerfu, Germany, Hungary, Switzerland, Tyrol, Italy, Spain,

France, Belgium, Britain.

syriacus, Reuter, Hem. Gymn. Eur., iii, 1883, p. 445: Ferrari, Ann. Mus. Civ. Gen.

(2 s.), i, p. 445, 508.

Hab. Syria.

visci, Puten, Rev. d' Ent., vii, 1888, p. 366.

Hab. France.

Genus **AUCHENOCREPIS.**

Fieber, Crit., 1859, 78; Eur. Hem., p. 74, 313: Reuter, Hem. Gymn. Eur., i, p. 39, t. 1, f. 7; iii, p. 499.

alboscuteolata, Puton, Pet. Nouv. Ent., i, No. 110, 1874, p. 440; *id.*, Ann. Soc. Ent. Fr., (5 s.) vi, 1876, p. 37: Reuter, Hem. Gymn. Eur., i, p. 42; iii, p. 507.

Hab. Egypt, Algeria.

minutissima (*Phytocoris*), Rambur, Faun. Andal., 1842: Reuter, Hem. Gymn. Eur., i, p. 40, t. 2, f. 8; iii, p. 507.

dorsalis, Fieber, Crit., 1859, sp. 32.

Forelii, Muls. & Rey, Ann. Soc. Linn. Lyon, vii, 1856, p. 130: Costa, Cim.

Regn. Neap. Cent. Add., 1860, p. 25, t. 3, f. 3: Fieber, Eur. Hem., p. 313: Walk., Cat. Het., vi, p. 140.

Schiödtei, Stål, Ofvers. Vet.-Aka. Förh., xi, 1854, p. 236.

Hab. S. France, Spain, Italy.

Reuteri, Jakowleff, Bull. Mosc., (3), 1876, p. 120: Reuter, Hem. Gymn. Eur., i, p. 41, 174; ii, p. 296; iii, p. 445, 507; *id.*, Fedtsoh. Turk., p. 37.

Hab. Greece, S. Russia, Caucasus, Turkistan, Asia Minor, Persia.

Genus **TRAGISCOCORIS.**

Fieber, Eur. Hem., 1861, p. 300: Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 55; *id.*, Hem. Gymn. Eur., i, p. 37, t. 1, f. 6; iii, p. 500.

Tragiscus, Fieber, Crit., 1859, g. 69; Eur. Hem., p. 73.

Fieberii (*Tragiscus*), Meyer, Fieber, Crit., 1859, sp. 21; (*Tragiscocoris*), *id.*, Eur. Hem., p. 301: Walk., Cat. Het., vi, p. 148: Reuter, Hem. Gymn. Eur., i, p. 38, t. 3, f. 4, 5; iii, p. 445, 507: Ferrari, Ann. Mus. Civ. Gen., (2 s.) i, 1884, p. 486.

Hab. Corsica, Algeria, Tunis.

Genus **PAREDROCORIS.**

Reuter, Hem. Gymn. Eur., i, 1879, p. 36, t. 1, f. 5; iii, p. 500.

pectoralis, Reuter, *l. c.*, i, p. 37; iii, p. 445, 567: Horvath, Rev. d' Ent., vii, 1881, p. 186, ♀.

Hab. Hungary; S. Russia, Sarepta.

Genus **DAMIOSCEA.**

Reuter, Hem. Gymn. Eur., iii, 1883, p. 443, 500.

Komarovii (*Oncotylus*), Jakowleff, Reuter, Hem. Gymn. Eur., iii, p. 444, 507.

Hab. Georgia, Derbent.

Genus **ASCIODEMA.**

Reuter, Hem. Gymn. Eur., i, 1879, p. 33, t. 1, f. 4; iii, p. 500.

Psallus, pt, Fieber, Eur. Hem., 1861, p. 305.

Tinicephalus, pt, Fieber, *l. c.*, p. 299.

obsoletum (*Tinicephalus*), Douglas & Scott, Brit. Hem., 1865, p. 391: Walk., Cat. Het., vi, p. 148: Saund., Syn., p. 295: Fieb., Wien. Ent. Monats., viii, 1864, p. 226: Reuter, Ofvers. Vet.-Aka. Förh., 1874, p. 48; Hem. Gymn. Eur., i, p. 34, 176, t. 3, f. 2; iii, p. 507.

Reiberi, Reuter, Pet. Nouv. Ent., No. 135, 1875, p. 540.

Saundersii, Reuter, Rev. Caps., 1875, p. 153; Ent. Mon. Mag., xiv, 1877, p. 129: Saund., Syn., p. 293.

Hab. Britain, France, Spain [*Atk.*, Valenciennes].

Fieberii (*Psallus*), Douglas & Scott, Brit. Hem., 1865, p. 420: Fieber, Wien. Ent. Monats., viii, 1864, p. 227: Walk., Cat. Het., vi, p. 153: Saund., Syn., p. 303: Reuter, Hem. Gymn. Eur., i, p. 35, t. 3, f. 3; iii, p. 507.

Genus **MEGALODACTYLUS.**

Fieber, Crit., 1859, 64; Eur. Hem., p. 72, 297: Reuter, Hem. Gymn. Eur., i, p. 32, t. 1, f. 3; iii, p. 499.

macula-rubra (*Capsus*), Mulsant & Rey, Ann. Soc. Linn. Lyon, 1852, p. 138: Fieber, Eur. Hem., p. 297: Walk., Cat. Het., vi, p. 138: Reuter, Hem. Gymn. Eur., i, p. 33, t. 2, f. 7; iii, p. 507.

Hab. S. Europe.

♀ *mixticolor* (*Capsus*), Costa, Cent. Cim. Neap., Add., 1860, p. 26, t. 3, f. 6: Reuter, Hem. Gymn. Eur., i, p. 172.

Hab. S. Italy.

Genus **MAURODACTYLUS.**

Reuter, Hem. Gymn. Eur., i, 1879, p. 27, t. 1, f. 2; iii, p. 500.

Agalliastes, pt, Fieber, Eur. Hem., 1861, p. 310.

alutaceus (*Agalliastes*), Fieber, Verh.-Zool. Bot. Ges. Wien, xx, 1870, p. 262: Walk., Cat. Het., yi, p. 156: Reuter, Hem. Gymn. Eur., i, p. 30, t. 2, f. 5; iii, p. 506.

Hab. Spain.

instabilis, Reuter, Hem. Gymn. Eur., i, 1879, p. 28; iii, p. 506: Fedtsch. Turk., p. 37.

Hab. Turkistan.

nigricornis, Reuter, Hem. Gymn. Eur., i, 1879, p. 29, t. 2, f. 4; iii, p. 443, 506; Fedtsch. Turk., p. 38.

bicolor (Fieb.), Reuter, l. c., i, p. 31, t. 2, f. 6, ♂; Fedtsch. Turk., p. 38.

Hab. Spain, S. Russia, Caucasus, Turkistan.

Genus **TUPONIA.**

Reuter, (*Megalodactylus*, subg., *Tuponia*), Bih. Vet.-Aka. Handl., iii (i), 1875, p. 53: (*Tuponia*), Hem. Gymn. Eur., i, 1879, p. 16, t. 1, f. 1; iii, p. 499.

Agalliastes, pt, Fieber, Eur. Hem., 1861, p. 310.

Oncotylus, pt, Fieber, l. c., p. 298.

Psallus, pt, Fieber, l. c., p. 305.

- areufera*, Reuter, Ofvers. Finska Vet. Soc. Förh., xxi, 1879, p. 38 : *id.*, Hem. Gymn. Eur., ii, p. 295 ; iii, p. 505.
Hab. S. Russia, Astrakhan.
- brevirostris*, Reuter, Hem. Gymn. Eur., iii, 1883, p. 440, 505.
Hab. France.
- concinna* (*Atomoscelis*), Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 57 ; *id.*, Hem. Gymn. Eur., i, p. 24, ii, p. 296 ; iii, p. 442, 506 : Leth. & Put., Ann. Soc. Ent. Fr. (5 s.), vi, 1876, p. 37.
Hab. Algeria, S. Russia.
- hippophaes* (*Oncotylus*), Fieber, Eur. Hem., 1861, p. 299 : Walk., Cat. Het., vi, p. 139 : Reuter, Hom. Gymn. Eur., i, p. 21, t. 2, f. 1 ; iii, p. 440, 506.
Hab. Spain, France, Italy, Switzerland [*Atk.*, Switzerland].
- Lethierryi* (*Megalodactylus*), Reut., Bih. Vet.-Aka. Handl., iii (i), 1875, p. 53 ; *id.*, Hem. Gymn. Eur., i, p. 20, 174 ; iii, p. 505 : Leth. & Puton, Ann. Soc. Ent. Fr. (5 s.), vi, 1876, p. 37.
Hab. Algeria, Egypt.
- pallida*, Reuter, Hem. Gymn. Eur., i, 1879, p. 17, 174, t. 1, f. 1 *a-e* ; iii, p. 505 ; Fedtsch. Turk., p. 38.
Hab. Turkistan, Sardura, Kisilkum.
- prasina* (*Agalliastes*), Fieber, Wien Ent. Monats., viii, 1864, p. 228 ; Walk., Cat. Het., vi, p. 156 : Reut. Hem. Gymn. Eur., i, p. 23, t. 2, f. 2 ; ii, p. 296 ; iii, p. 441, 506 ; Fedtsch. Turk., p. 39.
affinis, Reuter, Hem. Gymn. Eur., i, 1879, p. 22.
Hab. Transylvania, S. Russia, Turkistan [*Atk.*, Wallachia].
- punctipes*, Reuter, Hem. Gymn. Eur., iii, 1883, p. 441.
prasina, var. *punctipes*, Reut., l. c., ii, p. 296.
Hab. Turkistan.
- roseipennis*, Reuter, Hem. Gymn. Eur., i, 1879, p. 21, 174 ; iii, p. 505 ; Fedtsch. Turk., p. 39.
Hab. Turkistan.
- tamaricis*, Perris, Ann. Soc. Linn. Lyon, iv, 1857, p. 187 : Reuter (*tamaricis*), Hom. Gymn. Eur., i, p. 19 ; ii, p. 295, 296 ; iii, p. 439, 505.
notata, Fieber, Crit. Phyt., 1859, sp. 30 : Eur. Hem., p. 307 : Walk., Cat. Het., vi, p. 152.
var. *elegans*, Jak., Horao Soc. Ent. Ross., iv, 1867, p. 158 : Walk., Cat. Het., vi, p. 153 : Reut., Hem. Gymn. Eur., i, p. 18, 174 ; iii, p. 439 ; Fedtsch. Turk., p. 38.
Hab. Spain, France, Italy, Switzerland, S. Russia, Transcaucasus, Turkistan [*Atk.*, S. Russia].
- unicolor* (*Agalliastes*), Scott, Ent. Mon. Mag., viii, 1872, p. 243 ; Reuter, Hom. Gymn. Eur., i, p. 26, t. 2, f. 3 ; ii, p. 296 ; iii, p. 443, 506.
Hab. Corsica.
- Div. XVIII, **ISOMETOPARIA**, Reuter, Bih. Vet.-Aka. Handl., iii (i), 1875, p. 60.
Isometopidae, Fieber, Wien. Ent. Monats., iv, 1860, p. 259 ; Eur. Hem., p. 237.

Genus **ISOMETOPUS.**

Fieber, Wien Ent. Monats., iv, 1860, p. 259, t. 6A; Eur. Hem., p. 61, 237; Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 61.

intrusus (*Acanthia*), Herr. Schöff., Nomencl. Ent., i, 1835, p. 61; Wanz., Ins., vi, p. 48, t. 196, f. 608; Fieber, Wien Ent. Monats., iv, 1860, p. 259, t. 6A, f. 15, 16; Eur. Hem., p. 237; Puton, Ann. Soc. Ent. Fr., (5 s.), iii, 1873, t. 1, f. 5.

alienus, Fieber, Wien Ent. Monats., iv, 1860, p. 259, t. 6A, f. 17-19; Eur. Hem., p. 237; Puton, *l. c. supra*, t. 1, f. 4; Bull. Soc. Ent. Fr., (5 s.) vii, 1877, p. cxxx.

Hab. France, Switzerland, Austria.

mirificus, Mulsant & Rey, Ann. Soc. Linn. Lyon, xxv, 1878, p. 323; Rev. d' Ent., i, 1882, p. 278.

Hab. France.

Genus **MYIOMMA.**

Puton, Pet. Nouv. Ent., i, No. 44, 1872, p. 177; Ann. Soc. Ent. Fr., (5 s.) iii, 1873, p. 21, note; Reuter, Bih. Vet.-Aka. Handl., iii (i), p. 60.

Fieberii, Puton, *l. c. supra*, 1872, p. 177; Ann. Soc. Ent. Fr., (5 s.) iii, 1873, p. 20, t. 1, f. 3, ♂.

Hab. S. France, Italy.

ADDITIONS.p. 42. **ECCRITOTARSUS.**

exitiosus, Distant, Ent. Mon. Mag., xxv, 1889, p. 202.

Hab. Trinidad.

incusus, Distant, C. R. Soc. Ent. Belg., xxxii, 1888, p. lxxxi.

Hab. Brazil.

magnificus, Distant, *l. c.*, p. lxxxii.

Hab. Brazil.

p. 44. **NEOCARNUS.**

glabratus, Distant, C. R. Soc. Ent. Belg., xxxii, 1888, p. lxxxii.

Hab. Brazil.

p. 44. **FUNDANIUS.**

bicolor, Distant, *l. c.*, p. lxxxii.

Hab. Brazil.

p. 51. **HELOPELTIS.**

febriculosa, Bergroth, Ent. Mon. Mag., xxv, 1889, p. 271.

Hab. Sikkim [*Ind. Mus.*, Mnngphu].

p. 56. **RESTHENIA.**

designata, Distant, C. R. Soc. Ent. Belg., xxxii, 1888, p. lxxxi.

Hab. Brazil.

majuscula, Distant, *l. c.*, p. lxxxi.

Hab. Brazil.

p. 93, near **CYPHODEMA.**

Genus **CHILOCRATES.**

Horvath, Termes füzet., xii, 1889, p. 39.

Lenzii, Horvath, *l. c. supra*, p. 39.

Hab. Kashmir.

p. 93. **POECILOSCYTUS.**

aterrimus (*Systratiotus*), Jakowleff, Hor. Soc. Ent. Ross., xxiii, 1889, p. 69.

Hab. Siberia.

p. 105. **CAPSUS.**

niger (*Rhopalotomus*), Jakowleff, Hor. Soc. Ent. Ross., xxiii, 1889, p. 69.

Hab. Siberia.

p. 154. **MACROTYLUS.**

dimidiatus, Jakowleff, Hor. Soc. Ent. Ross., xxiii, 1889, p. 69.

Hab. Siberia.

CORRECTIONS.

p. 31, omit *Myrmecoris bimaculata*, Motsch. : see p. 117.

p. 33, transfer *Miris dolobratrus*, Linn. to Genus *Leptopterna*, p. 39.

p. 39, *Xenetes*, Dist., is the same as *Ecclitotarsus*, Westw., p. 49.

p. 46, for 'midestus,' Dist., read 'modestus.'

p. 54, line 21 from above, for '*Lynchmitidis*,' read '*Lynchmitidis*.'

p. 55, line 5 from above, omit *rubricosus* Garbig, and references.

p. 65, omit '?' before *miridioides*, Leth.

p. 71, line 18 from above, for '*bifasciatus*, Herr. Schöff. and references,' read '*bifasciatus*, Hahn, Wanz. Ins., iii, 1835, p. 7, t. 75, f. 232.'

p. 84, omit '*aurantiacus*, Voll.,' and reference : see p. 158.

p. 85, omit '?' before *brachynemesis*, Reut.

p. 87, omit '*fratruelis*, Berg,' and reference : see p. 99.

p. 107, omit '*bicinctus*, Walker,' and reference : see p. 85.

p. 110, omit '*signatipes*, Herr. Schöff,' and references, see p. 165.

p. 119, for '*erythroleptus*,' read '*erythroleptus*.'

p. 149, line 12 from below, for '*Placochilus*,' read '*Placochilus*.'

p. 153, for '*ALLOETOMUS*,' read '*ALLOETARSUS*.'

p. 162, omit '? convexus, Reut.' and reference : see p. 164.



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[The changes in the genera have been so great that it is necessary to give an index to the species described. Those names that have become synonyms are given in italics, and when several authors have given the same specific name to different species, the authors are quoted and the following contractions have been employed:—

Beck. = Becker.
Blanc., Blanchard.
Brul., Brullé.
Chic., Chicote.
Cost., Costa.
Dahl., Dahlbohm.
Dist., Distant.
De G., Do Geer.
D. & S. Douglas & Scott.
Duf., Dnfour.
Fab., Fabricius.
Fal., Fallen.
Fb., Fieber.
Ferr., Ferrari.
Garb., Garbiglietti.
Geof., Geoffroy.
Germ., Germar.
Gmel., Gmolin.

Goez. = Goeze.
Gredl., Gredler.
H. S., Herrich Schäffer.
Hhn., Hahn.
Horv., Horvath.
Jak., Jakowleff.
Kb., Kirschbaum.
Kol., Kolonati.
Leth., Lethierry.
Lin., Linnæus.
Luc., Lucas.
Mey., Meyer.
Mots., Motschulsky.
Mül., Müller.
Muls., Mulsant.
Per., Perris.
Put., Puton.
Preys., Preyssler.

Prov. = Provancher.
Rt., Reutor.
Saun., Saunders.
Schol., Scholtz.
Shlb., Sahlberg.
Schk., Schrank.
Schill., Schilling.
Scop., Scopoli.
Sign., Signoret.
Spin., Spinola.
Sulz., Sulzer.
Uhl., Uhler.
Vill., Villers.
Voll., Vollenhiovon.
Wlk., Walker.
Wlf., Wolff.

E. T. A.].

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NOTE. The following additions and corrections should be made in the 'Catalogue of the *Cicindelidae*':—

- p. 4. *analis*, Fabr., add to references, MacLeay, *Annul. Javan.*, p. 11.
 p. 5. *bramani*, Dokhtoureff, locality, India.
 p. 8. omit *flammulata*, Quedenfeldt: it is an African species.
 „ *funerea*, MacLeay, read in reference, *Annul. Javan.*, 1825, p. 12.
 „ add, *formosana*, Bates, *Proc. Zool. S. Lond.*, 1866, p. 341. *Formosa*.
 p. 9. add, *lobipennis*, Bates, *l. c.*, 1888, p. 380. *Kiukiang on Yangtse*.
 p. 11. *quadrilineata*, Fabr., add 'MacLeay, *Annul. Javan.*, 1825, p. 11.'
 „ omit '*scrobiculata*, Wied.,' see *Dromicidia*, p. 14.
 p. 12. line 18 from top, for 't. 2,' read 't. 1.'
 add :—

Genus **EURYTARSA.**

Dokhtoureff, *Rev. d' Ent.*, i, 1882, p. 113, 276.
bigranifera, Dokhtoureff, *l. c.*, p. 114.

Hab. Philippines, Mindoro.

p. 17. *Mellyi*, Chaudoir, add 'xxxiv (4), 1861, p. 359.'

p. 18. add, *collyris aureofusca*, Bates, *Proc. Zool. S. Lond.*, 1889, p. 216.

Hab. Ichang, Yangtse Valley.

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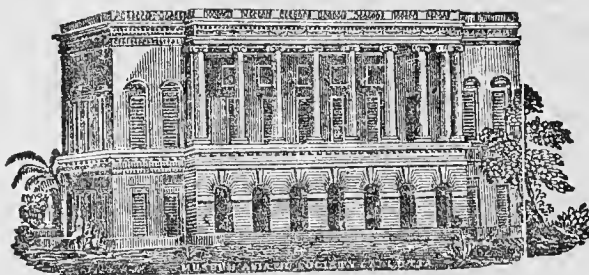
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“The bounds of its investigation will be the geographical limits of Asia: and within these limits its inquiries will be extended to whatever is performed by man or produced by nature.”—SIR WILLIAM JONES.

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CONTENTS.

Metric Weights and Measures prepared for the use of the Photographic and Lithographic Offices, Survey of India.—By COLONEL J. WATERHOUSE, B. S. C., Assistant Surveyor General of India, assisted by W. H. COLE, Esq., M. A., and T. ARCHDALE POPE, Esq., Survey of India.



OF

METRIC WEIGHTS AND MEASURES

PREPARED FOR THE USE OF

THE PHOTOGRAPHIC AND LITHOGRAPHIC OFFICES,
SURVEY OF INDIA,

BY

COLONEL J. WATERHOUSE, B.S.C.,
ASSISTANT SURVEYOR GENERAL OF INDIA,

ASSISTED BY

W. H. COLE, Esq., M.A., AND T. ARCHDALE POPE, Esq.,
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TABLES

OF

METRIC WEIGHTS AND MEASURES

PREPARED FOR THE USE OF

THE PHOTOGRAPHIC AND LITHOGRAPHIC OFFICES,
SURVEY OF INDIA.

Metric Tables.

The metric system of weights and measures having been adopted in the Photographic Office for convenience in keeping the store accounts, the following tables for the conversion of these measures to British and *vice versa* will be found useful.

They have been based on the relative equivalents of the metric and British systems given in Schedule III of the Weights and Measures Act of 1878, and have been compiled from De la Rue's Tables and other sources.

As the metric system is now ordinarily used in scientific publications, the scope of the tables has been extended so as to meet, as far as possible, the ordinary requirements of general and scientific reference.

Use of the Tables.

The number required to be converted, whether British or metric, may either be multiplied directly by the decimal fraction representing the equivalent value of one unit of the required denomination, as found in the tables of equivalents or multipliers, according to the accuracy required; or, it may be broken up into a series of constituent parts in thousands, hundreds, tens, units and fractions, and the equivalents of the several amounts, as found from the tables of multipliers, added together. In the latter case care must be taken to change the position of the decimal point as required for multiples or fractions of the unit.

This will be best illustrated by examples.

Supposing it be desired to find the equivalent of 645·15 litres in pints.

By the first method 645·15 is multiplied by the equivalent of 1 litre in pints = 1·76077, giving a product of 1135·961.

By the second method the total number of litres may be broken up as follows :—

600·00 litres	=	1056·462 pints.
40·00 "	=	70·431 "
5·00 "	=	8·804 "
0·10 "	=	0·176 "
0·05 "	=	0·088 "
<u>645·15</u>		<u>1135·961</u>

Adding together the equivalents of the constituent parts in pints the same total is obtained.

Conversely :—Supposing it be desired to find the equivalent of 3 cwt. 25 lb 14½ ounces in kilogrammes, the whole sum may be reduced to ounces and multiplied by ·02835, the equivalent of 1 ounce in kilogrammes, thus :—

$$5790·50z \times \cdot 02835 = 164·161 \text{ kilos.}$$

But in this case the result will be more accurately and simply obtained by finding the metric equivalents of the separate items of British measure from the tables, and adding them together, thus :—

3 cwt.	=	152·407 kilos.
20 lb	=	9·072 "
5 lb	=	2·268 "
10 oz.	=	0·283 "
4 oz.	=	0·113 "
0·5 oz.	=	0·014 "
<u>TOTAL</u>		<u>164·157 "</u>

In some cases the first method will be the simplest and in others the second. The tables of multipliers show only 3 places of decimals, and therefore, if greater accuracy be required, especially in the first method, a longer fraction of at least 5 places of decimals should be taken from the tables of equivalents.

NOTE.—The value of the metre given in the Table I = 39·37079 inches, *in vacuo*, at Sea-level, was determined by Captain Kater in 1818, the temperature of the standard yard being 62° F. and of the metre 32° F. It has since then been recognised as the authoritative legal equivalent of the metre in British measure and still remains so.

In the course of his comparison of the standards of length of various countries, made at the Ordnance Survey Office, Southampton, in 1865, Captain A. R. Clarke, R.E., determined the true length of the legal equivalent of the metre under the above conditions of temperature to be 1·09352311 yards = 3·28086933 feet = 39·37043196 inches (see "Comparison of the Standards of Length," p. 280).

By this valuation the corresponding equivalents of British Measures of Length in Metric Measures are —

1 inch	=	2·5399772 centimetres.
1 foot	=	30·4797264 "
1 yard	=	91·439792 "
1 mile	=	1·6093206 kilometre

(as given in the Survey of India 'Auxiliary Tables'),

Captain Clarke further determined the correct British equivalent of the *Scientific* metre or the length of the ideal theoretical metre, being the 10-millionth part of the quadrant of the Meridian passing through Paris, to be 39'377786 inches, or, reduced to the same standard of temperature as the legal metre, 39'376229 inches.

As stated above, in fixing the equivalent of the legal metre, the lengths of the standards were compared at their normal temperature, *viz.*, 32° for the metre and 62° F. for the standard yard. The Standards Commissioners recommended in 1871 that, for *commercial* purposes, it was desirable that the comparison of the two standards should be made at the same ordinary temperature of the air at 62° F. According to this valuation the length of a brass metre would be 39'380203 inches.

Table II is based on the determination by Prof. W. H. Miller, in 1844, of the weight of the French *Kilogramme des Archives*, in *vacuo*, to be equal to 15432'34874 imperial grains, or 2'20462125 standard platinum pounds (avoirdupois).

The Troy pound has now almost become obsolete. Under the Weights and Measures Act of 1878, avoirdupois weight is to be used exclusively for all articles sold by weight, except for bullion and precious stones, which may be sold by the Troy ounce or by decimal parts of it, and for drugs which may be sold by retail by apothecaries' weight. In the latest editions of the British Pharmacopœia the only weights used are the grain, avoirdupois ounce (437'5 grains) and pound (7000 grains). Photographic and chemical formulæ are commonly prepared according to Apothecaries or Troy grains, drachms and ounces, but the use of Avoirdupois and Metric Weights for this purpose is fast extending.

The tables have been carefully revised in the Trigonometrical Branch office by Mr. W. H. Cole, M.A., Deputy Superintendent of Survey.

I.—Measures

Metric to

The fundamental unit of Metric Length and Weight is the METRE, assumed to be the 10-standard metre at its normal temperature of 32° F. is 39°37'079

		Inches.	Feet.	Yards.
Millimetre	= $\frac{1}{1000}$ metre	= 0'03937	0 00328	0'00109
Centimetre	= $\frac{1}{100}$ "	= 0'39371	0 03281	0'01094
Decimetre	= $\frac{1}{10}$ "	= 3'93708	0'32809	0'10936
METRE	= unit	= 39'37079	3'28090	1'09363
Decametre	= 10 metres	= 393'70790	32'80899	10 93633
Hectometre	= 100 "	= 3,937'07900	328'08992	109'36331
Kilometre	= 1,000 "	= 39,370'79000	3,280'89917	1,093'63306
Myriametre	= 10,000 "	= 393,707'90000	32,808'99167	10,936'33056

One *Micron* (μ .) (*p'. micra*), = one-thousandth of a millimetre = '001 millimetre = '000039 inch.

MULTI

	Metres.	Millimetres to Inches.	Feet.		Centimetres to Inches.	Feet.
1	0'001	0'03937	0'00328	0'01	0'3937	0'0328
2	0'002	0'07874	0'00656	0'02	0'7874	0'0656
3	0'003	0'11811	0'00984	0'03	1'1811	0'0984
4	0'004	0'15748	0'01312	0'04	1'5748	0'1312
5	0'005	0'19685	0'01640	0'05	1'9685	0'1640
6	0'006	0'23622	0'01969	0'06	2'3622	0'1969
7	0'007	0'27559	0'02297	0'07	2'7559	0'2297
8	0'008	0'31497	0'02625	0'08	3'1497	0'2625
9	0'009	0'35434	0'02953	0'09	3'5434	0'2953
10	0'010	0'39371	0'03281	0'10	3'9371	0'3281

British to

		Millimetres.	Centimetres.
12 Inches	= 1 inch	= 25'39954	2'53995
3 feet	= 1 foot	= 304'79449	30'47945
2 yards	= 1 yard	= 914'38348	91'43835
3 yards	= 1 fathom	= 1,828'76696	182'87670
$5\frac{1}{2}$ "	= 1 pole or perch	= 5,029'10914	502'91091
40 poles	= 1 furlong	= 201,164'36576	20,116'43658
8 furlongs	= 1 mile	= 1,609,314'92612	160,931'49261

1 chain = 20'11644 Metres, 1 Geographical mile = 1'1527 Statute miles = '1,855'052 metres. 1 degree = 1 mil = $\frac{1}{1000}$ inch = '0254 m.m.

MULTI

	Millimetres.	Inches to Centimetres.	Decimetres.	Centimetres.	Feet to Decimetres.	Metres.
1	25'3995	2'54	0'254	30'479	3'048	0'305
2	50'7991	5'08	0'508	60'957	6'096	0'610
3	76'1986	7'62	0'762	91'438	9'144	0'914
4	101'5982	10'16	1'016	121'918	12'192	1'219
5	126'9977	12'70	1'270	152'397	15'240	1'524
6	152'3972	15'24	1'524	182'876	18'288	1'829
7	177'7968	17'78	1'778	213'356	21'336	2'134
8	203'1963	20'32	2'032	243'835	24'384	2'438
9	228'5959	22'86	2'286	274'315	27'432	2'743
10	253'9954	25'40	2'540	304'794	30'479	3'048

1 inch = 25,399'54 micra. $\frac{1}{100}$ inch = 253'995 micra.

Fractions of an Inch to Millimetres.

$\frac{1}{2}$ = 12'6998	$\frac{1}{4}$ = 5'0799	$\frac{1}{8}$ = 2'5400	$\frac{1}{16}$ = 0'8467
$\frac{3}{8}$ = 8'4665	$\frac{1}{2}$ = 4'2333	$\frac{3}{8}$ = 2'1166	$\frac{1}{4}$ = 0'7937
$\frac{1}{2}$ = 16'9330	$\frac{3}{4}$ = 3'6285	$\frac{1}{2}$ = 1'5875	$\frac{3}{8}$ = 0'6350
$\frac{3}{4}$ = 6'3499	$\frac{1}{2}$ = 3'1749	$\frac{3}{4}$ = 1'2700	$\frac{1}{2}$ = 0'5080
$\frac{1}{2}$ = 19'0497	$\frac{1}{2}$ = 2'8222	$\frac{1}{2}$ = 1'0160	$\frac{1}{8}$ = 0'2540

of Length.

British.

millionth part of the quarter of the earth's meridian. The legal British equivalent of the inches, of the British standard yard at the temperature of 62° F.

Furlongs,	Miles,	Miles,	Furlongs,	Yards,	Feet,	Inches,
...	...	= 0	0	0	0	about $\frac{1}{16}$
0'00005	0'00006	= 0	0	0	0	" $\frac{1}{8}$
0'00050	0'00062	= 0	0	0	0	" $\frac{3}{8}$
0'00497	0'00621	= 0	0	1	0	" $\frac{3}{4}$
0'04971	0'06214	= 0	0	10	2	" $9\frac{1}{16}$
0'49711	0'62138	= 0	0	109	1	" $1\frac{1}{2}$
4'97106	6'21382	= 0	4	213	1	" $10\frac{1}{16}$
49'71059		= 6	1	156	0	" $11\frac{1}{16}$

One micro-millimetre ($\mu\mu$) = one-millionth of a millimetre or about 0'0000004 of an inch.

PLIERS.

Inches,	Metres to Feet,	Yards,	Feet,	Kilometres to Yards,	Miles,
39'371	3'281	1'094	3,280'899	1,093'633	0'621
78'742	6'562	2'187	6,561'798	2,187'266	1'243
118'112	9'843	3'281	9,842'697	3,280'899	1'864
157'483	13'124	4'375	13,123'597	4,374'532	2'486
196'854	16'404	5'468	16,404'496	5,468'165	3'107
236'225	19'685	6'562	19,685'395	6,561'798	3'728
275'596	22'966	7'655	22,966'294	7,655'431	4'350
314'966	26'247	8'749	26,247'193	8,749'064	4'971
354'337	29'528	9'843	29,528'092	9,842'697	5'592
393'708	32'809	10'936	32,808'992	10,936'331	6'214

Metric.

Decimetres,	Metres,	Hectometres,	Kilometres,
0'25400	0'02540	0'00025	0'00003
3'04794	0'30479	0'00305	0'00030
9'14383	0'91438	0'00914	0'00091
18'28767	1'82877	0'01829	0'00183
50'29109	5'02911	0'05029	0'00503
2,011'64366	201'16437	2'01164	0'20116
16,093'14926	1,609'31493	16'09315	1'60931

111'303 kilometres. The length of 1' of latitude at 45° = 6,076 feet = 1'1508 Statute mile = 1852 metres, nearly.
1 line = $\frac{1}{12}$ inch = 2'1166 mm.

PLIERS.

Decimetres,	Yards to Metres,	Kilometres,	Metres,	Miles to Hectometres,	Kilometres,
9'1438	0'914	0'0009	1,609'315	16'093	1'609
18'2877	1'829	0'0018	3,218'630	32'186	3'219
27'4315	2'743	0'0027	4,827'945	48'279	4'828
36'5753	3'658	0'0037	6,437'260	64'373	6'437
45'7192	4'572	0'0046	8,046'575	80'466	8'047
54'8630	5'486	0'0055	9,655'800	96'559	9'656
64'0068	6'401	0'0064	11,265'204	112'652	11'265
73'1507	7'315	0'0073	12,874'519	128'745	12'875
82'2945	8'229	0'0082	14,483'834	144'838	14'484
91'4383	9'144	0'0091	16,093'149	160'931	16'393

Approximate Values.

1 kilometre	= about 5 furlongs ('029 less)	1 mile	= nearly $1\frac{1}{2}$ kilometre (1% less).
1 metre	= " $39\frac{1}{2}$ inches ('029" less)	1 yard	= " $\frac{1}{3}$ metre. 11 Metres = 12 yards.
To convert metres to yards add $\frac{1}{11}$.			
1 Decimetre	= 4 inches ($3\frac{1}{5}$ exactly)	1 foot	= " $30\frac{1}{2}$ centimetres.
1 Centimetre	= $\frac{1}{2}$ inch	1 inch	= " $2\frac{1}{2}$ "
1 Millimetre	= $\frac{1}{25}$ "	1 " =	= " $25\frac{1}{2}$ millimetres

II.—Measures

Metric to British Avoir

The standard unit of Metric Weight is the KILOGRAMME, which is the weight of a

	Grammes,	Grains,	Troy Ounces,	Avoirdupois Ounces,
	<small>(to 1000 grains.)</small>	<small>(480 grains.)</small>	<small>(480 grains.)</small>	<small>(437 5 grains.)</small>
Milligramme	= 1000	= 0.01543	= 0.00032	= 0.00003
Centigramme	= 100	= 0.15433	= 0.0032	= 0.00035
Decigramme	= 10	= 1.54323	= 0.03215	= 0.00357
Gramme	= 1	= 15.43235	= 0.32151	= 0.35273
Decigramme	= 100	= 1,543.23487	= 321.5073	= 352.7394
Hectogramme	= 1,000	= 15,432.34874	= 3,215.073	= 3,527.394
Kilogramme	= 10,000	= 154,323.48740	= 32,150.73	= 35,273.94
Myriagramme	= 100,000	= 1,543,234.8740	= 321,507.3	= 352,739.4
Quintal		= 100 Kilogrammes	= 1,968.41 Cwt.	= 0.9842 Tons
Millier or Tonne		= 1000	= 19,684.12	= 0.98421

MULTI

	Milligrammes	Centigrammes	Decigrammes	Grammes	Ap. Drachms,	Troy oz.	Avoir. oz.
	to	to	to	to			
	Grains.	Grains.	Grains.	Grains.			
1	0.0154	0.154	1.543	15.432	0.2572	0.032	0.035
2	0.0309	0.309	3.086	30.865	0.5144	0.064	0.071
3	0.0463	0.463	4.630	46.297	0.7716	0.096	0.106
4	0.0617	0.617	6.173	61.729	1.0288	0.129	0.141
5	0.0772	0.772	7.716	77.162	1.2860	0.161	0.176
6	0.0926	0.926	9.259	92.594	1.5432	0.193	0.212
7	0.1080	1.080	10.803	108.036	1.8004	0.225	0.247
8	0.1235	1.235	12.346	123.459	2.0576	0.257	0.282
9	0.1389	1.389	13.889	138.891	2.3149	0.289	0.318
10	0.1543	1.543	15.432	154.323	2.5721	0.322	0.353

British Troy and

	Milligrammes,	Centigrammes,	Decigrammes,
Grain	= 64.79895	= 6.47990	= 0.64799
Scruple (A)	= 1,295.97901	= 129.59790	= 12.95979
Pennyweight (T)	= 1,555.17481	= 155.51748	= 15.55175
Drachm (A)	= 3,887.93702	= 388.79370	= 38.87937
Ounce	= 31,103.49517	= 3,110.34952	= 311.03496
Pound	= 373,441.95410	= 37,344.19541	= 3,732.41954

In the new British Pharmacopœia the Avoirdupois Ounce and

Avoirdupois

	Milligrammes,	Centigrammes,	Decigrammes,
Dram	= 27.34	= 2.734	= 0.2734
Ounce	= 437.5	= 43.75	= 4.375
Pound	= 7,000	= 700	= 70
Stone	= 14	= 1.4	= 0.14
Hundredweight	= 112	= 11.2	= 1.12
Ton	= 2,240	= 224	= 22.4

MULTI

	Grains	Apothecaries' Drachms	Troy Ounces
	to	to	to
	Milligrams, Centigrams, Grms.	Decigrams, Grms. Decagrams, Grms.	Grms. Hectograms, Kilograms.
1	64.799	38.879	3.1103
2	129.598	77.759	6.2207
3	194.397	116.638	9.3310
4	259.196	155.517	12.4414
5	323.995	194.397	15.5517
6	388.794	233.276	18.6621
7	453.593	272.156	21.7724
8	518.392	311.035	24.8828
9	583.190	349.914	27.9931
10	647.990	388.794	31.1035

Fractions of a Grain to Milligrammes.

$\frac{1}{2}$ = 32.4	$\frac{1}{4}$ = 12.96	$\frac{1}{8}$ = 6.48	$\frac{1}{16}$ = 3.24
$\frac{1}{32}$ = 1.96	$\frac{1}{64}$ = 0.98	$\frac{1}{128}$ = 0.49	$\frac{1}{256}$ = 0.24
$\frac{1}{512}$ = 0.12	$\frac{1}{1024}$ = 0.06	$\frac{1}{2048}$ = 0.03	$\frac{1}{4096}$ = 0.01
$\frac{1}{8192}$ = 0.0012	$\frac{1}{16384}$ = 0.0006	$\frac{1}{32768}$ = 0.0003	$\frac{1}{65536}$ = 0.0001

of Weight.

dupois and Troy.

cubic decimetre, or 61.027 cubic inches, of pure water, in vacuo, at 4° C. (39.2° F.).

Avoirdupois Pounds. (7000 grains.)	Hundredweights. (112 lbs. Av.)	Avoirdupois. lbs. oz. grs.	Troy and Apothecaries. lbs. oz. dr. grs.
...	...	= 0 0 0	0 0 0
0'00002	...	= 0 0 0	0 0 0
0'00022	...	= 0 0 0	0 0 0
0'00220	0'00002	= 0 0 0	0 0 0
0'02205	0'00020	= 0 0 0	0 0 0
2'22046	0'00197	= 0 0 0	0 0 0
2'220462	0'01968	= 2 3 230	0 3 1
22'04621	0'19684	= 22 0 323	2 8 1
			26 9 4

= weight of 1 cubic metre of water.

FLIERS.

Heotogrammes to			Kilogrammes to			Quintals to		Milliers to	
Troy oz.	Avoir, oz.	Avoir, lbs.	Troy oz.	Avoir, oz.	Avoir, lbs.	Hundredweights.	Tons.		
3'215	3'527	0'220	32'151	35'274	2'205	1'968	0'984		
6'430	7'055	0'441	64'301	70'548	4'409	3'937	1'968		
9'645	10'582	0'661	96'452	105'822	6'614	5'905	2'953		
12'860	14'110	0'882	128'603	141'096	8'818	7'874	3'937		
16'075	17'637	1'102	160'754	172'123	11'023	9'842	4'921		
19'290	21'164	1'323	192'904	211'64	13'228	11'810	5'905		
22'506	24'692	1'543	225'055	246'016	15'432	13'779	6'889		
25'721	28'219	1'764	257'206	282'102	17'637	15'747	7'874		
28'936	31'747	1'984	289'357	317'465	19'842	17'716	8'858		
32'151	35'274	2'205	321'507	352'739	22'046	19'684	9'842		

Apothecaries Weight to Metric.

Grammes.	Decagrammes.	Hectogrammes.	Kilogrammes.
0'06480	0'00648	0'00065	0'00006
1'29598	0'12960	0'01296	0'00120
1'55517	0'15552	0'01555	0'00156
3'88794	0'38879	0'03888	0'00389
31'10350	3'11035	0'31103	0'03110
373'24195	37'32420	3'73242	0'37344

Pound and the ordinary Grain are the only weights adopted.

to Metric.

Grammes.	Decagrammes.	Hectogrammes.	Kilogrammes.
1'77185	0'17718	0'01772	0'00177
28'34954	2'83495	0'28350	0'02835
453'59205	45'35927	4'53593	0'45359
9'350'29714	935'02971	63'50297	6'35030
50,802'37799	5,080'23779	508'02377	50'80238
016,047'54170	101,604'75417	1,0160'47542	1,016'04754

FLIERS.

Avoirdupois Ounces to			Avoirdupois Pounds to			Hundredweights to		Tons to	
Grms.	Heotgrms.	Kilgrms.	Grms.	Heotgrms.	Kilgrms.	Quintals.	Milliers.		
28'350	0'283	0'028	453'593	4'536	0'454	0'508	1'016		
56'699	0'567	0'057	907'185	9'072	0'907	1'016	2'032		
85'049	0'850	0'085	1360'778	13'608	1'361	1'524	3'048		
113'398	1'134	0'113	1814'371	18'144	1'814	2'032	4'064		
141'748	1'417	0'142	2267'963	22'680	2'268	2'540	5'080		
170'097	1'701	0'170	2721'556	27'216	2'722	3'048	6'096		
198'447	1'984	0'198	3175'149	31'751	3'175	3'556	7'112		
226'796	2'268	0'227	3628'741	36'287	3'629	4'064	8'128		
255'146	2'551	0'255	4082'334	40'823	4'082	4'572	9'144		
283'495	2'835	0'283	4535'927	45'359	4'536	5'080	10'160		

Approximate Equivalents.

1,000 Kilogrammes or Metric Tonne is nearly 1 English Ton (about 1 $\frac{3}{4}$ % less).

1 Kilogramme equals weight of cubic decimetre or litre of water.

is nearly 2 $\frac{1}{2}$ lb. Avoirdupois (about 4% more); 5 Kilos. = 11lb. nearly.

1 Hectogramme is about 3 $\frac{1}{2}$ ounces Avoirdupois.

1 Decagramme is about $\frac{1}{4}$ ounce.

1 Gramme is about 15 $\frac{1}{2}$ grains.

65 Milligrammes are about 1 grain.

1 Hundredweight is nearly 51 Kilos. (about 3% less).

1 ounce Troy = 31 $\frac{1}{8}$ grammes

1 ounce Avoirdupois = 28 $\frac{3}{8}$ grammes } The ounce is commonly and conveniently taken as 30 grammes in making up

1 Drachm = 4 grammes nearly (about 1 $\frac{1}{2}$ grains less).

Capacity (Fluid).

to British.

weight of 1,000 grammes of pure water, at a temperature of 4°C . (39.2°F).

Pinta, 34'65923 Cub. Ins.	Gallons, 277'27384 Cub. Ins.	Gallons,	Pints,	Fl. Oz.	Fl. Drachms.	Minims.
= 0'00176	0'00012	= 0	0	0	0	16'9034
= 0'01761	0'00220	= 0	0	0	2	49'03
= 0'17608	0'02201	= 0	0	3	4	10'34
= 1'76077	0'22010	= 0	1	15	1	43'43
= 17'60773	2'20097	= 2	1	12	1	13'44
= 176'07734	22'00967	= 22	0	1	4	22'47
= 1,760'77341	220'09668	= 220	0	15	3	44'56
= 17,607'73414	2,200'96677	= 2,200	7	14	5	28'94

1'76077 pints or 0'22009668 gallon. More accurate determination shows that the correct equivalent is 1'761954 pints, or the Millilitre = '281913 fluid drachms = 16'91476 minims. The practical difference is trifling.

PLIERS.

Fl. Onnoes,	Litree to Pints.	Gallons,	Decalitres to Quarts.	Gallons.	Kilolitres to Gallons.	
35'215	1'761	0'220	8'804	2'201	220'097	1
70'431	3'522	0'440	17'608	4'402	440'193	2
105'646	5'282	0'660	26'412	6'603	660'289	3
140'862	7'043	0'880	35'215	8'804	880'387	4
176'077	8'804	1'100	44'019	11'005	1,100'483	5
211'293	10'565	1'321	52'823	13'206	1,320'580	6
246'508	12'325	1'541	61'627	15'407	1,540'677	7
281'724	14'086	1'761	70'431	17'608	1,760'773	8
316'939	15'847	1'981	79'235	19'809	1,980'870	9
352'155	17'608	2'201	88'039	22'010	2,200'967	10

to Metric.

Decilitres.	Litres,	Decalitres,	Kilolitres.
0'00059	0'00006	0'00001	...
0'03550	0'00355	0'00035	...
0'28397	0'02840	0'00284	0'000028
5'67932	0'56793	0'05679	0'000568
11'35864	1'13586	0'11359	0'001136
45'43458	4'54346	0'45435	0'004543

Litre. 1 fluid ounce = 28'377 C. C. 1 fluid drachm = 3'547 C. C. 1 minim = 0'5911 C. C.

PLIERS.

Millilitres,	Pints to Decilitres.	Litres.	Quarts to Litres.	Gallons to Litres.	
567'932	5'679	0'568	1'136	4'543	1
1,135'864	11'359	1'136	2'272	9'087	2
1,703'797	17'038	1'704	3'408	13'630	3
2,271'729	22'717	2'272	4'543	18'174	4
2,839'661	28'397	2'840	5'679	22'717	5
3,407'593	34'076	3'408	6'815	27'261	6
3,975'526	39'755	3'976	7'951	31'804	7
4,543'458	45'435	4'543	9'087	36'348	8
5,111'390	51'114	5'111	10'223	40'891	9
5,679'322	56'793	5'679	11'359	45'435	10

Approximate values.

- 1 Millilitre or cubic centimetre is 17 minims nearly.
- 1 Centilitre is about 2 drachms 49 minims.
- 1 Decilitre is about $3\frac{1}{2}$ ounces.
- 1 Litre is about $35\frac{1}{2}$ fluid ounces, or rather more than 1 pint.
- 1 Kilolitre or cubic metre holds nearly one ton of water 62°F .
- 1 Fluid drachm is rather more than $3\frac{1}{2}$ cubic centimetres ($1\frac{1}{2}\%$ more).
- 1 Fluid ounce is about $28\frac{1}{2}$ cubic centimetres.
- 1 Pint is about 568 cubic centimetres.
- 1 Quart is rather more than $1\frac{1}{2}$ litres.
- 1 Gallon is about $4\frac{1}{2}$ litres (1% more).

IV.—Cubic

The unit of Metric Measurement is the STERE, or CUBIC METRE, weighing
Metric to

		Cubic Metre,
Cubic Millimetre		= 0'0000001
Cubic Centimetre	= 1,000 Cubic millim.	= 0'0001
Millistere (cubic decim.)	= 1,000 " centim.	= 0'001
Centistere	= 10 " decim.	= 0'01
Decistere	= 100 " "	= 0'1
STERE (cubic metre)	= 1,000 " "	= 1
Decastere	= 10 " metres.	= 10
Hectostere	= 100 " "	= 100

NOTE.—The Stere is more generally used for measuring timber, wood-work, or firewood.

	Cubic Centimetres to Cubic Inches,	Cubic Decimetres to Cubic Inches,	Cubic Feet, MULTI
1	0'061	61'027	0'035
	0'122	122'054	0'071
3	0'183	183'081	0'106
4	0'244	244'108	0'141
5	0'305	305'135	0'177
6	0'366	366'162	0'212
7	0'427	427'189	0'247
	0'488	488'216	0'283
9	0'549	549'243	0'318
10	0'610	610'271	0'353

	Cubic Inches,	Cubic Feet,	Cubic Yards, British to
Cubic Inch	= 1	= 0'0005787	0'000002143
Cubic foot	= 1,728	= 1'00	0'03704
Cubic yard	= 46,656	= 27'00	1'00

	Cubic Inches to Cubic Centimetres.	Cubic Feet to Cubic Decimetres.	Cubic Metres, MULTI
1	16'386	28'315	0'028
2	32'772	56'631	0'057
3	49'159	84'946	0'085
4	65'545	113'261	0'113
5	81'931	141'577	0'142
	98'317	169'892	0'170
7	114'703	198'207	0'198
8	131'089	226'522	0'227
9	147'476	254'838	0'255
10	163'862	283'153	0'283

Approximate

- 1 cubic metre is nearly $1\frac{1}{4}$ cubic yard ($1\frac{1}{4}\%$ less).
 1 " " is nearly $35\frac{1}{2}$ cubic feet ($0\frac{1}{2}\%$ less).
 10 cubic metres equal 13 cubic yards.
 1 cubic yard is about $\frac{2}{3}$ cubic metre (2% more).
 1 cubic foot is about $28\frac{1}{2}$ cubic decimetres ($0\frac{1}{8}$ less).

NOTE.—To reduce cubic metres to cubic decimetres or cubic centimetres, which are all multiples of 1,000, the decimal to convert cubic metres into cubic decametres or cubic hectometres the decimal point is removed 3 places at a time to the

Measures.

1 Millier, or 1,000 Kilogrammes, of pure water, at 4° C. (39.2° F.).

British.

Cubic Inches.	Cubic Feet.	Cubic Yards.
0'000061	0'0000003	.....
0'061027	0'000353	0'000001
61'027052	0'035317	0'001308
610'270515	0'353166	0'013080
6102'705152	3'531658	0'130802
61027'051519	35'316581	1'308022
610270'515194	353'165807	13'080215
.....	3531'658074	130'802151

The Centistere, Decistere, Decastere, and Hectostere are not cubic measures but only measures of volume.

PLIERS.

Cubic Feet.	Cubic Metres to	Cubic Yards.	
35'317		1'308	1
70'633		2'616	2
105'950		3'924	3
141'266		5'232	4
176'583		6'540	5
211'899		7'848	6
247'216		9'156	7
282'533		10'464	8
317'849		11'772	9
353'166		13'080	10

Metric.

Cubic Centimetres.	Cubic Decimetres.	Cubic Metres.
= 16'386176	0'016386	0'000016
= 28315'311931	28'315312	0'028315
= 764513'422137	764'513422	0'764513

PLIERS.

Cubic Decimetres.	Cubic Yards to	Cubic Metres.	
764'513		0'765	1
1529'027		1'529	2
2293'540		2'294	3
3058'054		3'058	4
3822'567		3'823	5
4587'080		4'587	6
5351'594		5'352	7
6116'107		6'116	8
6880'621		6'881	9
7645'134		7'645	10

Values.

- 1 cubic inch is about 16 $\frac{3}{4}$ cubic centimetres (0'014 less).
- 1 cubic metre is the cube of nearly 39 $\frac{3}{4}$ inches (135'9 cubic inches less).
- 1 cubic decimetre is the cube of nearly 4 inches (3 cubic inches less).
- 1 cubic centimetre is the cube of nearly $\frac{1}{16}$ inch (0'00297 cubic inches less).
- 1 cubic millimetre is the cube of nearly $\frac{1}{31}$ inch (0'00003 cubic inches less).

point must be removed 3 places at a time to the right, instead of one, as the denomination would seem to imply. Similarly left.

V.—Square

Metric to

The Unit of Metric Measurement for Land Measure

		Sq. Metre.	Sq. centim.	Sq. Inches,	Sq. Feet,
Square Millimetre	= $\frac{1}{1000000}$	= $\frac{1}{100}$	=	0'00155	0'0001
Square Centimetre	= $\frac{1}{10000}$	= $\frac{1}{100}$	=	0'15501	0'00108
Square Decimetre	= $\frac{1}{100}$	=	=	15'50059	0'10764
Square Metre, or Centiare	= 1	=	=	1,550'05911	107'6430
ARE	= 100	=	=	155,005'91052	1,076'42993
Hectare	= 10,000	=	=	...	107,642'99341

MULTI

	Square Millims. to	Square Centimetres to	Square Decimetres to	
	Sq. Inches.	Sq. Inches.	Sq. Feet.	Sq. Inches.
1	0'002	0'155	0'001	15'501
2	0'003	0'310	0'002	31'001
3	0'005	0'465	0'003	46'502
4	0'006	0'620	0'004	62'002
5	0'008	0'775	0'005	77'503
6	0'009	0'930	0'006	93'004
7	0'011	1'085	0'008	108'504
8	0'012	1'240	0'009	124'005
9	0'014	1'395	0'010	139'505
10	0'016	1'550	0'011	155'006

British

		Square Millimetres.	Square Centimetres.
Square Inch	=	645'13669	6'45137
" Foot	=	...	928'99683
" Yard	=	...	8,360'97150
" Perch	=	...	...
Rood	=	...	...
Acre	=	...	...
Square Mile	=	...	...

MULTI

	Square Inches to	Square Feet to	Square Yards to	
	Sq. Millims.	Sq. Centims.	Sq. Decims.	Sq. Metres,
1	645'137	6'451	928'997	9'2900
2	1290'273	12'903	1,857'994	18'5799
3	1935'410	19'354	2,786'990	27'8699
4	2580'547	25'805	3,715'987	37'1599
5	3225'683	32'257	4,644'984	46'4498
6	3870'820	38'708	5,573'981	55'7398
7	4515'957	45'160	6,502'978	65'0298
8	5161'094	51'611	7,431'975	74'3197
9	5806'230	58'062	8,360'971	83'6097
10	6451'367	64'514	9,289'968	92'8997

One square millimetre is nearly $\frac{1}{155}$ of a square inch, or the square of $\frac{1}{12}$ of an inch.

One square centimetre is nearly $\frac{1}{155}$ of a square inch, or the square of $\frac{1}{12}$ of an inch.

One square metre contains rather more than $10\frac{1}{2}$ square feet, or nearly $1\frac{1}{2}$ square yards.

One are is about $\frac{1}{10}$ of an acre.

One hectare contains nearly $2\frac{1}{2}$ acres.

Approximate

Measure.

British.

is the ARE = 100 square Metres or a square Decametre.

Sq. Yards.	Sq. Perches.	Roods.	A .
...
0'00012	...	...	...
0'01196	0'00040	0'00001	...
1'19603	0'03954	0'00099	0'00025
119'60333	3'95383	0'09885	0'02471
11,960'33260	395'38290	9'88457	2'47114

PLIERS.

Sq. Metres to	Sq. Yds.	Sq. Yds.	Perches.	Roods.	Ares.	Hectares to	Ares.	
10'764	1'196	119'603	3'954	0'099	0'025	9'885	2'471	1
21'529	2'392	239'207	7'908	0'198	0'049	19'769	4'942	2
32'293	3'588	358'810	11'861	0'297	0'074	29'654	7'413	3
43'057	4'784	478'413	15'815	0'395	0'099	39'538	9'885	4
53'821	5'980	598'017	19'769	0'494	0'124	49'423	12'356	5
64'586	7'176	717'620	23'723	0'593	0'148	59'307	14'827	6
75'350	8'372	837'223	27'677	0'692	0'173	69'192	17'298	7
86'114	9'568	956'827	31'631	0'791	0'198	79'077	19'769	8
96'879	10'764	1,076'430	35'584	0'890	0'222	88'961	22'240	9
107'643	11'960	1,196'033	39'538	0'988	0'247	98'846	24'711	10

to Metric.

Sq. Decimetres.	Sq. Metres.	Ares.	Hectares.
0'06451	0'00065	0'00001	...
9'28997	0'09290	0'00093	0'00001
83'60971	0'83610	0'00836	0'00008
2,529'19388	25'29194	0'25292	0'00253
...	1,011'67755	10'11678	0'10117
...	4,046'71021	40'46710	0'40467
...	...	25,898'94531	258'98945

PLIERS.

Sq. Perches to		Rood to	Acres to		Square Miles to	
Sq. Metres.	Ares.	Ares.	Ares.	Hectares.	Hectares.	
25'292	0'253	10'117	40'467	0'405	258'989	1
50'584	0'506	20'234	80'934	0'809	517'979	2
75'876	0'759	30'350	121'401	1'214	776'958	3
101'168	1'012	40'467	161'868	1'619	1,035'958	4
126'460	1'265	50'584	202'336	2'023	1,294'947	5
151'752	1'518	60'701	242'803	2'428	1,553'937	6
177'044	1'770	70'817	283'270	2'833	1,812'926	7
202'336	2'023	80'934	323'737	3'237	2,071'916	8
227'627	2'276	91'051	364'204	3'642	2,330'905	9
252'919	2'529	101'168	404'671	4'047	2,589'895	10

Values.

One square inch contains about 645 square millimetres or $6\frac{1}{2}$ square centimetres.
 One square foot contains nearly $9\frac{1}{2}$ square decimetres or $1\frac{1}{2}$ of a square metre.
 One square yard is nearly $\frac{9}{8}$ or $\frac{3}{2}$ of a square metre.
 1 Acre is nearly $40\frac{1}{2}$ ares or $\frac{1}{2}$ of a hectare.
 1 Square mile is very nearly 259 hectares.

VI.—Conversion of British

British Indian

The unit of British Indian Weight

			Milligrammes.	Centigrammes.
Dhan	= $3\frac{1}{4}$ Tola	= $1\frac{1}{2}$ Grain	= 30'37451	3'03745
Rati	= $\frac{1}{16}$ "	= $1\frac{1}{2}$ Grains	= 121'49803	12'14980
Masha	= $\frac{1}{8}$ "	= 15 "	= 971'98426	97'19843
TOLA	= 1 "	= 180 "	= 11663'81107	1166'38111
Chhatak	= 5 Tolas	= 900 "	= 58319'05533	5831'90553
Ser (Seer)	= 80 "	= 2lbs 400 (Grains avoird.)	= 933104'88524	93310'48852
Man (Maund)	= 3,200 "	= 82½ lbs Avoird. 100lbs. Troy=		37344'19'54095

Under Bengal Regulation VII of 1833, the only legalised British Indian weights are the *Tola*, of 180 grains Troy; the and their values vary considerably in different parts of India; those stated in the table are given by Prinsep (*Useful Tables*,

	Dhans	Ratis	Mashas	Tolas		
	to	to	to	to		
	Milligrammes.	Milligrammes.	Milligrammes.	Grammes.	Decagrammes.	Kilogrammes.
1	= 30'375	121'498	971'984	0'972	11'664	1'166
2	= 60'749	242'996	1943'969	1'944	23'328	2'333
3	= 91'124	364'494	2915'953	2'916	34'991	3'499
4	= 121'498	485'992	3887'937	3'888	46'655	4'666
5	= 151'873	607'490	4859'921	4'860	58'319	5'832
6	= 182'247	728'988	5831'906	5'832	69'983	6'998
7	= 212'622	850'486	6803'890	6'804	81'647	8'165
8	= 242'996	971'984	7775'874	7'776	93'310	9'331
9	= 273'371	1093'482	8747'858	8'748	104'974	10'497
10	= 303'745	1214'980	9719'843	9'720	116'638	11'664

	Dhans.	Ratis.	Mashas.
Milligramme	= 0'03292	0'00823	0'00103
Centigramme	= 0'32922	0'08231	0'01039
Decigramme	= 3'29223	0'82306	0'10288
Gramme	= 32'92234	8'23059	1'02882
Decagramme	= 329'22344	82'30586	10'28823
Hectogramme	= 3292'23440	823'05860	102'88232
Kilogramme	= 32922'34398	8230'58599	1028'82325
Myriagramme	= .....	.....	10288'23249
Quintal	= .....	.....	102882'32493
Millier or Tonne	= .....	.....	.....

Grammes

to

	Dhans.	Ratis.	Mashas.	Tolas.	Ohhataks.	Sers.
1	32'922	8'231	1'029	0'086	0'017	0'0011
2	65'845	16'461	2'058	0'171	0'034	0'0021
3	98'767	24'692	3'086	0'257	0'051	0'0032
4	131'689	32'922	4'115	0'343	0'069	0'0043
5	164'612	41'153	5'144	0'429	0'086	0'0054
6	197'534	49'384	6'173	0'514	0'103	0'0064
7	230'456	57'614	7'202	0'600	0'120	0'0075
8	263'379	65'844	8'231	0'686	0'137	0'0086
9	296'301	74'075	9'259	0'772	0'154	0'0096
10	329'223	82'306	10'288	0'857	0'171	0'0107

Approximate Equivalents.

- 1 Rati is nearly $1\frac{1}{4}$ decigrammes (about '035 less).
- 1 Masha is nearly 1 gramme (about '028 less).
- 1 Tola is nearly $1\frac{1}{2}$ grammes (about '003 less).
- 1 Ser is nearly 1 kilogramme (about '067 less).
- 1 Man is nearly $3\frac{1}{4}$ myriagrammes (about '018 less).
- " " $37\frac{1}{2}$ myriagrammes (about '009 less).
- 1 Decigramme is nearly $\frac{1}{16}$ of a tola, or $3\frac{1}{4}$ dhans (about '04 less).
- 1 Gramme is nearly 1 masha or $\frac{1}{8}$ of a tola (about '029 more).
- 1 Decagramme is about $\frac{1}{4}$ of a tola (about '007 more).
- 1 Hectogramme is about $8\frac{1}{4}$ tolas (about '074 more) or nearly $1\frac{1}{2}$ chhataks (about '035 less).
- 1 Kilogramme is nearly $85\frac{1}{4}$ tolas (about '015 less) or about 1 ser (about '072 more).
- 1 Quintal is about $2\frac{1}{4}$ mans (about '0125 more).
- 1 Millier or Tonne is nearly $26\frac{1}{4}$ mans (about '008 less).

Indian and Metric Weights.

to Metric.

is the TOLA, equal to 180 Grains.

Decigrammes.	Grammes.	Decagrammes.	Hectogrammes.	Kilogrammes.	Myriagrammes.
0'30375	0'03037	0'00304	0'00030	0'00003	.....
1'21498	0'12150	0'01215	0'00121	0'00012	0'00001
9'71984	0'97198	0'09720	0'00972	0'00097	0'00010
116'63811	11'06381	1'16538	0'11654	0'01165	0'00117
583'19055	58'31906	5'83191	0'58319	0'05832	0'00583
9331'04885	933'10489	93'31049	9'33105	0'93310	0'09331
373241'95410	37324'19541	3732'41954	373'24195	37'32420	3'73242

Ser equal to 80 Tolas and the Man equal to 40 Sers. Mashas, Ratis and Dhans are used by native goldsmiths and jewellers, p. 96). There is also a weight called Panseri equal to 5 sers.

PLIERS.

Chhataks to		Sers to		Mans to	
Grammes.	Kilogrammes.	Grammes.	Kilogrammes.	Kilogrammes.	
58'319	0'058	933'105	0'933	37'324	1
116'638	0'117	1866'210	1'866	74'648	2
174'957	0'175	2799'315	2'799	111'973	3
233'276	0'233	3732'420	3'732	149'297	4
291'595	0'292	4665'524	4'666	185'621	5
349'914	0'350	5598'629	5'599	223'945	6
408'233	0'408	6531'734	6'532	261'269	7
466'552	0'467	7464'839	7'465	298'594	8
524'871	0'525	8397'944	8'398	335'918	9
583'191	0'583	9331'049	9'331	373'242	10

British Indian.

Tolas.	Chhataks.	Sers.	Mans.
0'00009	0'00002	.....	.....
0'00086	0'00017	0'00001	.....
0'00857	0'00171	0'00011	.....
0'08574	0'01715	0'00107	0'00003
0'85735	0'17147	0'01072	0'00017
8'57353	1'71471	0'10717	0'00168
85'73527	17'14705	1'07169	0'01679
857'35271	171'47054	10'71691	0'26792
8573'52708	1714'70542	107'16909	2'67923
85735'27078	17147'05416	1071'69088	26'79227

PLIERS.

Kilogrammes to		Quintals to	
Tolas.	Chhataks.	Mans.	Mans.
85'735	17'147	1'0717	2'6792
171'471	34'294	2'1434	5'3585
257'206	51'441	3'2151	8'0377
342'941	68'588	4'2868	10'7169
428'676	85'735	5'3585	13'3961
514'412	102'882	6'4301	16'0753
600'147	120'029	7'5018	18'7546
685'882	137'176	8'5735	21'4338
771'617	154'323	9'6452	24'1130
857'353	171'471	10'7169	26'7923

Fractions of a Tola to Milligrammes.

$\frac{1}{10}$	= 728'988
$\frac{1}{100}$	= 1457'976
$\frac{1}{1000}$	= 2915'953
$\frac{1}{10000}$	= 3887'937

$\frac{1}{10}$	= 4373'929
$\frac{1}{100}$	= 5831'906
$\frac{1}{1000}$	= 7775'874
$\frac{1}{10000}$	= 8747'858

Useful Data.

- 1 Man is equal to 100 lb Troy.
- 35 Sers are equal to 72 lb Avoirdupois.
- 1 Pound Troy is equal to 32 Tolas.
- 1 Ounce Troy is equal to 2'67 Tolas.
- $\frac{1}{3}$ Ounce Avoirdupois (the unit for English letter postage) = 1'215 Tolas.
- $\frac{1}{15}$ Grammes (the unit for foreign letter postage) = 1'286 Tolas or about $\frac{1}{4}$ Tola.

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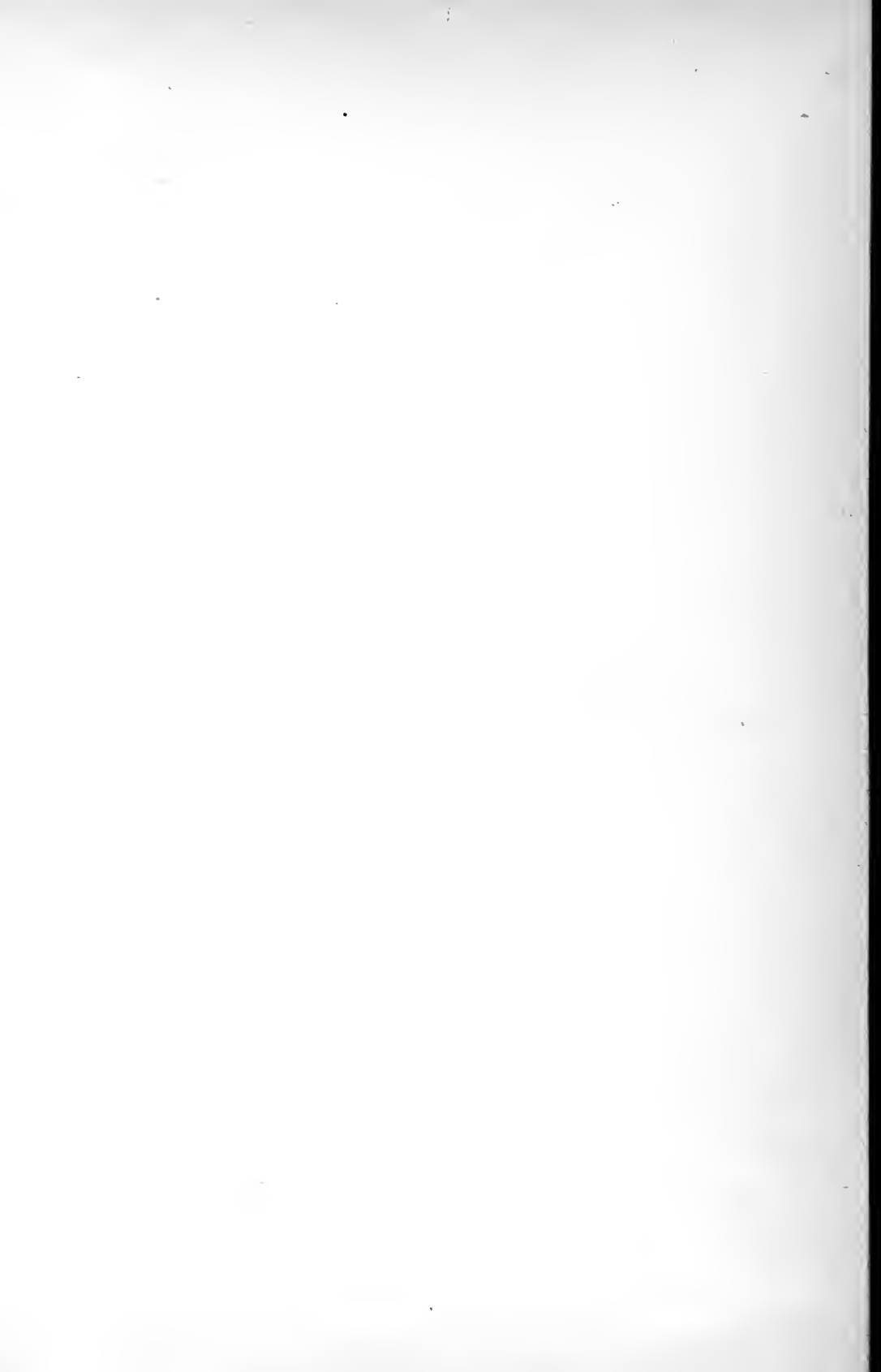
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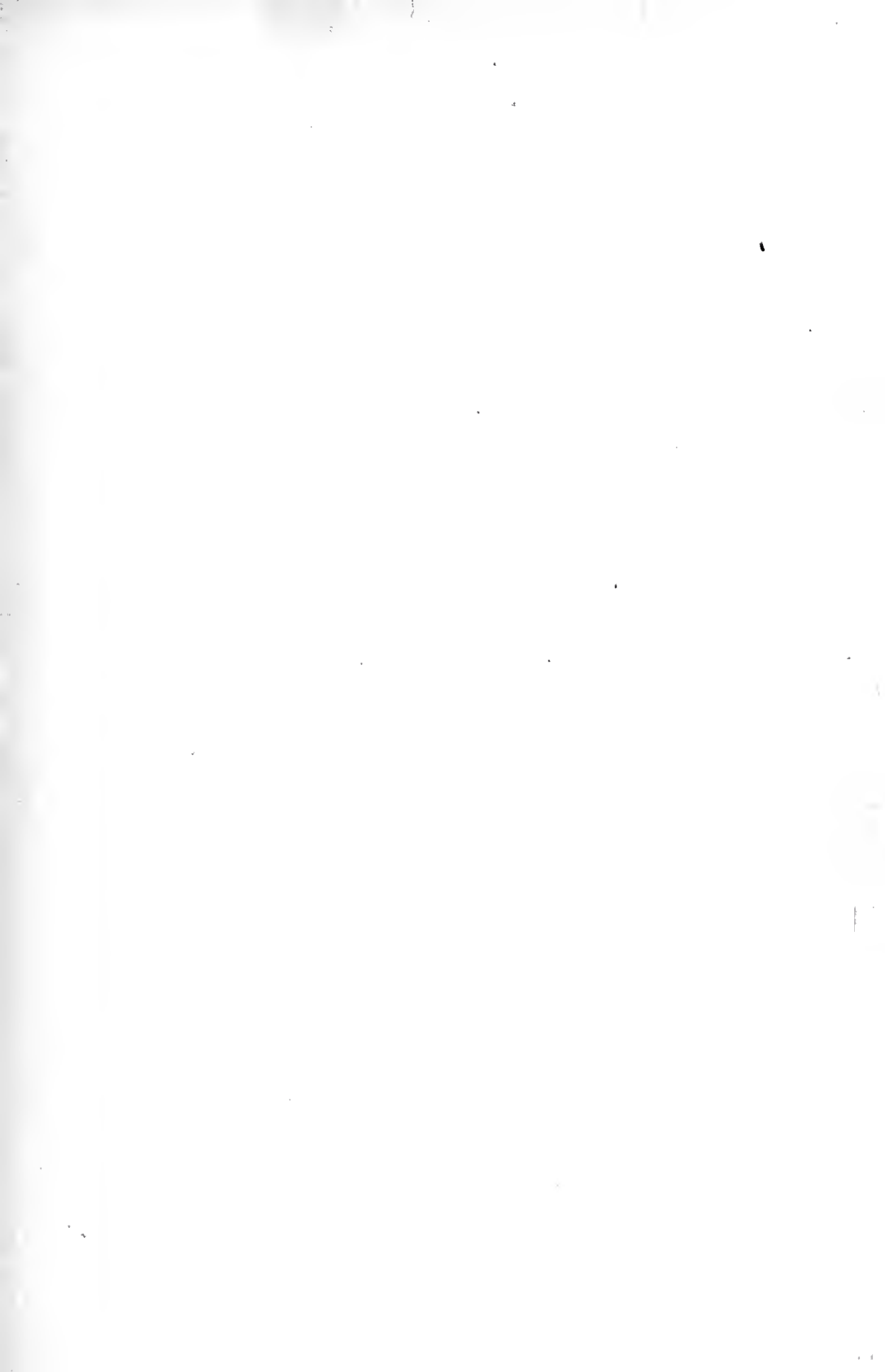
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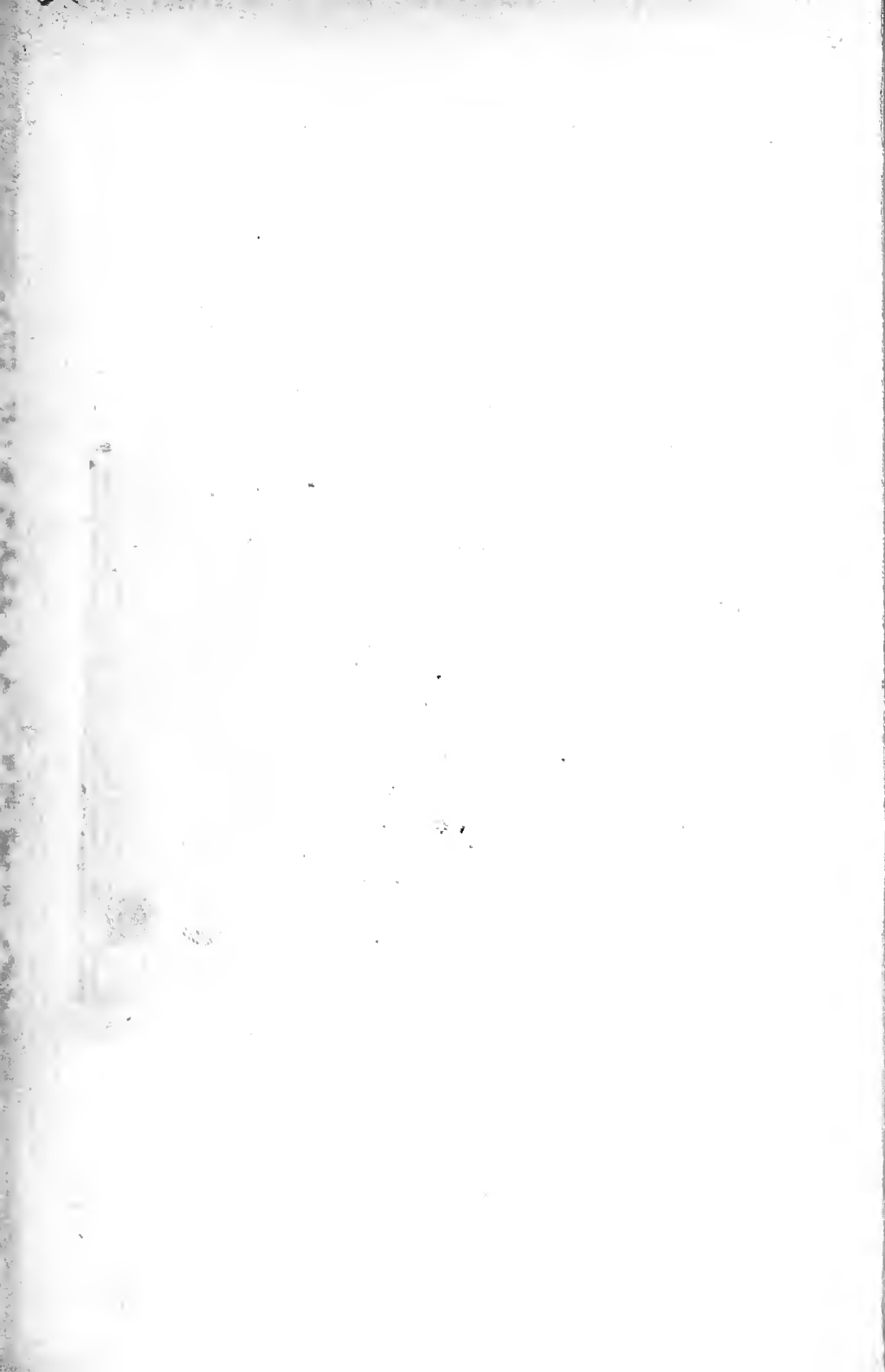
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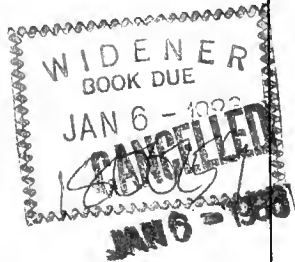






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